



User Manual 1.0

Gnosis Learning Inc.



## Table of Contents

**1) Introduction**

**2) Who should use this manual?**

**3) Requirements**

**4) Getting Started**

**5) Modules**

**6) Stocks**

**7) ETFs**

**8) Portfolio**

**9) Advisors Login Account**

**10) Intelvest for Registered Investment Advisors**

## **Introduction**

Today, in the Age of AI, “Intelligent Investing” is more about how investors can harness the power of AI to serve their investing needs. Post the AI singularity of 2023, Intelligent Investing or what we call Intelvesting will soon be the norm. The AI enabled and savvy investor will have the ability to browse through enormous reams of 10Qs, 10Ks, Prospectuses and ETF Annual Reports and with the help of Gen AI, look at dynamically synthesized graphs, and quickly size up large numbers of news articles and analyst videos to make informed intelligent investment decisions.

Intelvest is an AI enabled Investing Analysis and Portfolio Building platform, that helps investors get help in understanding their own stocks as well as prospective companies, ETFs and other investible asset classes. The Intelvest AI platform has the Immersive Intelligent Browser Plugin which allows investors to use AI to better understand not just 10Qs, 10Ks, Prospectuses and the ETF Annual Reports, but also visualize them through dynamically synthesized Graphing that compare against various Indices, scan through earnings calls and earnings slide decks as well as watch videos that provide analyst recommendations, widely available. In addition, they can scan the latest news available for nuggets of information they want to get and also use portfolio management tools and techniques to both analyze portfolios and look at performance vs risk.

AI today is not perfect as a technology but it will overtime get better in delivering quality answers.

## **Who should use this manual?**

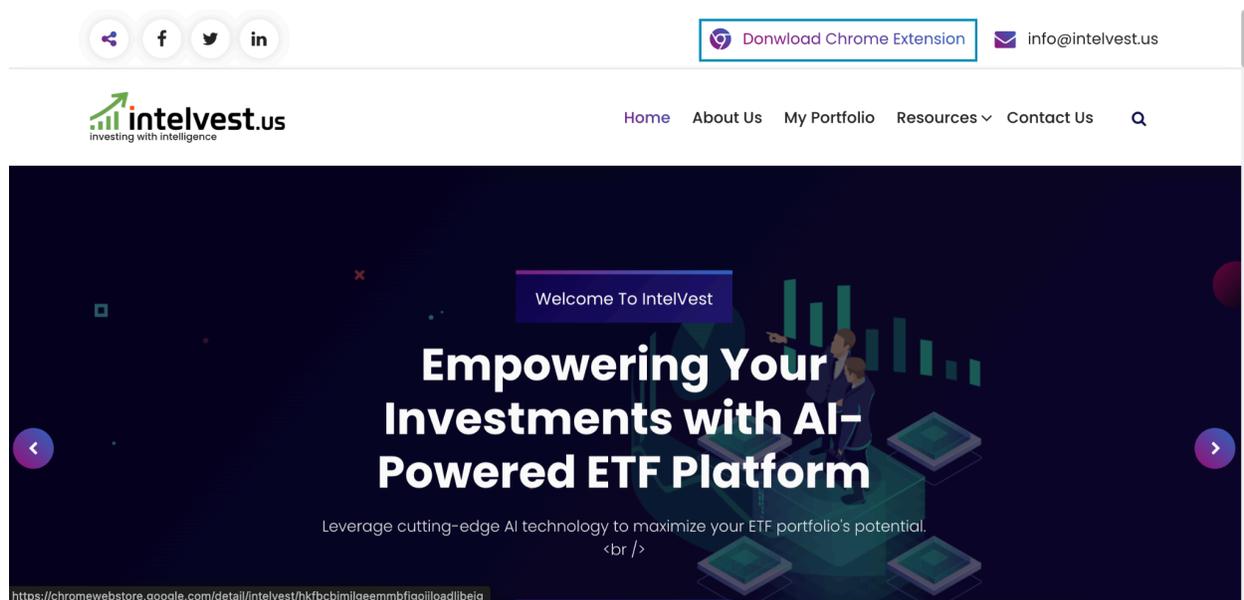
This manual can be used by a professional investor or an amateur, a small investor with a retirement portfolio or a high net worth billionaire. Using this platform one can improve portfolios so that an Intelligent Investor or Analyst who is building an SMA or a Comingled Fund, they can better serve the needs of his employer, fiduciary client and in some cases themselves when they are dealing with their own investments.

## Requirements

The minimum requirements for running the Intelvest browser plugin is listed below: Microsoft Windows 7 / Vista / XP SP2 MAC OS X 10.4 or later with Internet Connectivity. Supported web browsers include Google Chrome.

## Getting started

Visit Intelvest website by clicking on the link <https://intelvest.us/>

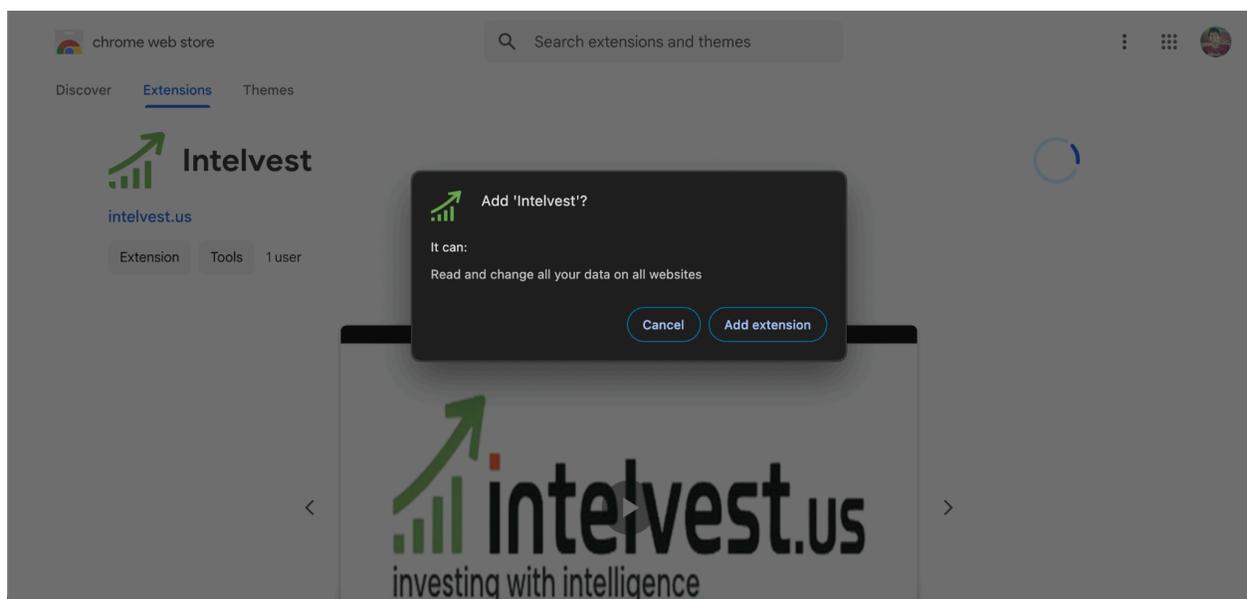


On the top of the menu bar, click on Download Chrome extension.

You can also download the browser plugin from <https://chromewebstore.google.com/detail/intelvest/hkfbcbimjlgeemmbfjgoiiloadlibejg>



Click on “**Add to Chrome**”.



Once you click on the “**Add to Chrome**” button it will display the permissions. The extension requires that permission for usability. Click on “**Add extension**”.

As soon as the extension gets installed, it will open up the Login/Signup screen in the new tab.

Login'."/>

LOGIN SIGN UP

Create Account

Full Name...

Email...

Contact No...

Password...

Client Advisor

Sign Up

Already have an account? [Login](#)

If you have already created an account earlier, you can proceed with Login OR if you are a new user, select the Sign Up tab, fill in the required details and create your account by clicking on the “Sign Up” button. Do select if you are a client or an advisor.

On successful completion of registration, the tab would automatically change to Login.

Reset' and 'Don't have an account? [Sign Up](#)'."/>

LOGIN SIGN UP

Welcome Back

Username...

Password...

Login

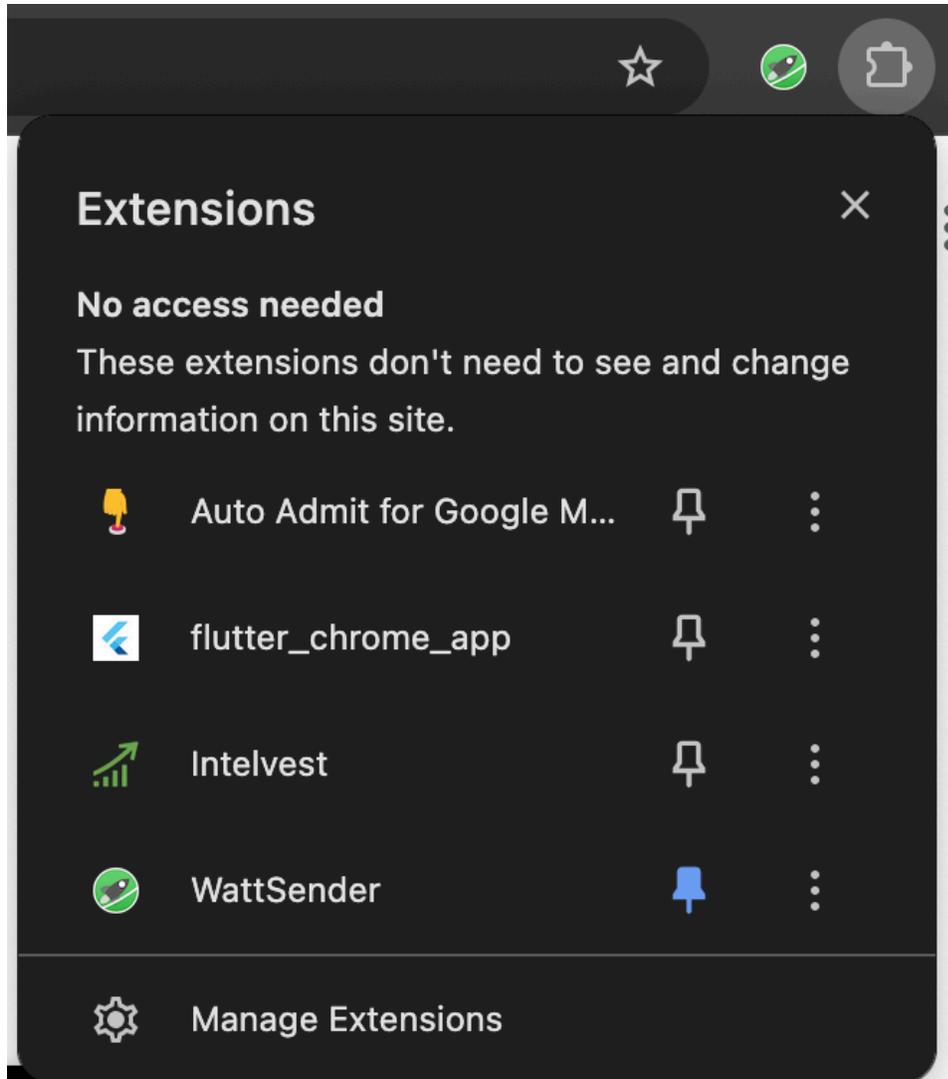
Forgot your password? [Reset](#)

Don't have an account? [Sign Up](#)

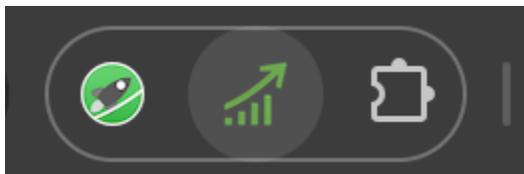
Enter the email address provided during registration as the Username and enter the password that you have set. Click on “Login”. If you do not remember your password, click on “Reset”.

On successful login the Login/Signup screen will close automatically.

Click on the extension icon in the browser, you will see the icon of Intelvest plugin along with the other extensions that you have installed. Click on the pin icon beside it so that its icon is always visible besides the extension icon in the browser.

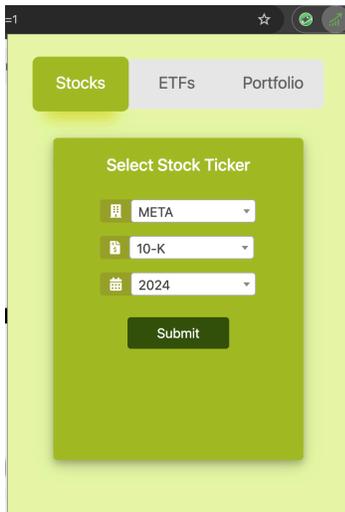


Henceforth whenever you want to access the plugin, just click on the Intelvest icon.



## Modules

Currently the Intelvest plugin will provide you 3 options in 3 different tabs.



1) **Stocks** : The retail investor or the institutional investor will be able to get more insights over the stocks by asking questions over the 10Qs or 10Ks and making the use of AI to answer them, listening to the earnings call, going through the earnings slides, watching videos from CNBC related to the selected stock, going through the latest news and press releases and finally seeing the visualization from various charts.

2) **ETFs** : The retail investor or the institutional investor will be able to get more insights over the etfs by asking questions over the prospectus and making the use of AI to answer them, going through the annual report, going through the ETF profile, watching videos from CNBC related to the selected etf, going through the latest news and press releases and finally seeing the visualization from various charts.

3) **Portfolio** : The retail investor or the institutional investor or the RIA (Registered Investment Advisor) for the retail investor can upload his or their clients portfolio to understand various Risk and Returns metrics via visualization as well as make modifications to their portfolio by buying and selling assets to rebalance the weights as well as create various scenarios from their portfolios and compare them.

Let us cover the Stocks and the ETFs section first which is mainly for the retail and institutional investors and finally have the Portfolio section covered up for the RIA guiding the retail investors.

## 1) Stocks

The screenshot shows a web application interface with a dark header bar containing a star icon, a refresh icon, and a chart icon. Below the header, there are three tabs: "Stocks" (highlighted in green), "ETFs", and "Portfolio". The main content area is a light green background with a central dark green card titled "Select Stock Ticker". Inside this card, there are three dropdown menus: the first is labeled "KHC" with a building icon, the second is labeled "10-Q" with a document and dollar sign icon, and the third is labeled "2024" with a calendar icon. Below these dropdowns is a dark green "Submit" button. At the bottom of the card, there are two yellow buttons labeled "Quarter 2" and "Quarter 1".

To get more information related to a particular stock, first select the ticker symbol, followed by the form i.e. either 10Q or the 10K and finally the year. Click on the “Submit” button.

You will get the selected filings for each quarter. Select the quarter you want to go with by clicking on it. This will open up the filing pdf in the new tab.

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

**FORM 10-Q**

(Mark One)  
 **QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**  
 For the quarterly period ended June 29, 2024  
 or  
 **TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**  
 For the transition period from \_\_\_\_\_ to \_\_\_\_\_

Commission File Number: 001-37482

**Kraft Heinz**  
**The Kraft Heinz Company**  
(Exact name of registrant as specified in its charter)

**Delaware**  
(State or other jurisdiction of incorporation or organization)  
**One PPG Place, Pittsburgh, Pennsylvania**  
(Address of principal executive offices)

**46-2078182**  
(I.R.S. Employer Identification No.)  
**15222**  
(Zip Code)

**(412) 456-5700**  
(Registrant's telephone number, including area code)

**Not Applicable**  
(Former name, former address and former fiscal year, if changed since last report)




Earnings Call



The PDF filing would open up in the browser plugin. Within the plugin you will see the avatar with whom you can ask the questions over the selected 10Q or 10K, the earnings call and the menu list. On clicking the hamburger icon the menu list will open up.

## Feature Set.

### a) Talking Avatar

Click on the avatar and ask any question related to the filing opened. Based on the content provided in the PDF filing, you will get the answer.

### b) Earnings Call

Click on the play button to listen to the earnings call that happened for the quarter.

On clicking the hamburger icon, you will get more items. Hovering on each of the items will tell you what exactly it's meant for.

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SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

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**KraftHeinz**

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(Zip Code)

**(412) 456-5700**  
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(Former name, former address and former fiscal year, if changed since last report)



**c) Videos related to the stocks**

The first item within the menu that you see is the videos related to the stock selected. Click on it and you will see the below window.



**(412) 456-5700**  
(Registrant's telephone number, including area code)

**Not Applicable**  
(Former name, former address and former fiscal year, if changed since last report)



## d) Earning Slides

The second item within the menu list is for the earning slides. On clicking it you will get the earning slides released by the company for that quarter.

**Kraft Heinz** July 31, 2024

**Q2 2024 BUSINESS UPDATE**

chrome-extension://hkfbcbimjgeemmbfjgoiloadlibejg/stock.html?url=https://ajjnana.jnanamarga.in/downloads/KHC10-Q/2024/0001637459-24-000129.pdf#

## e) Press Releases

The third item within the menu list is for the press releases. On clicking it you will get the press release made by the company for that quarter.

**Exhibit 99.1**

**Kraft Heinz**

Contacts: Alex Abraham (media) [Alex.Abraham@kraftheinz.com](mailto:Alex.Abraham@kraftheinz.com) Anne-Marie Meqela (investors) [anne-marie.meqela@kraftheinz.com](mailto:anne-marie.meqela@kraftheinz.com)

**KRAFT HEINZ REPORTS SECOND QUARTER 2024 RESULTS**

**Lowers Full Year Outlook for Organic Net Sales<sup>(1)(2)</sup> and Adjusted Operating Income<sup>(1)(2)</sup>**  
**Reaffirms Full Year Outlook for Adjusted EPS<sup>(1)(2)</sup>**

**Second Quarter Highlights**

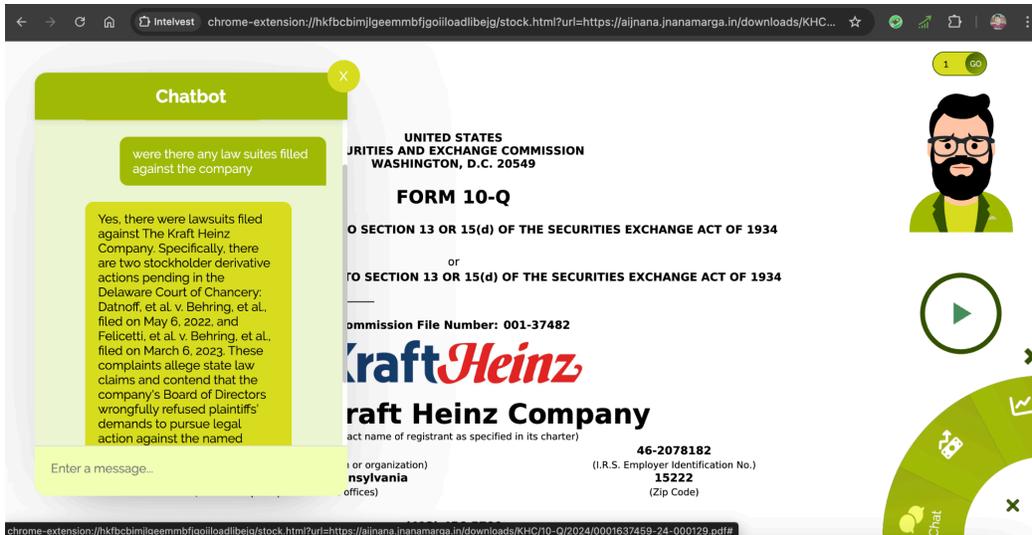
- Net sales decreased 3.6%; Organic Net Sales<sup>(1)</sup> decreased 2.4%
- Gross profit margin increased 180 basis points to 35.4%; Adjusted Gross Profit Margin<sup>(1)</sup> increased

chrome-extension://hkfbcbimjgeemmbfjgoiloadlibejg/stock.html?url=https://ajjnana.jnanamarga.in/downloads/KHC10-Q/2024/0001637459-24-000129.pdf#

Make use of the arrow pointing towards the right to see the next set of items within the menu.

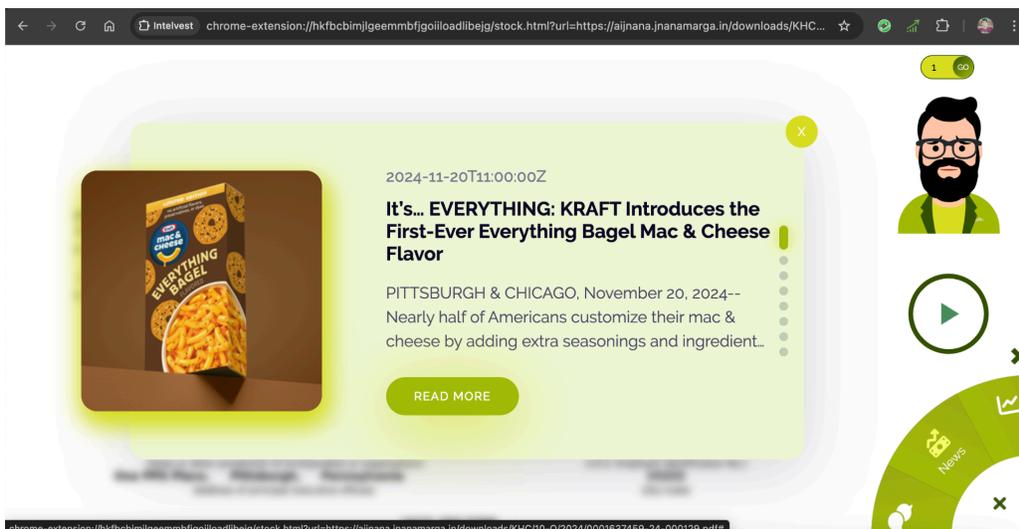
### f) Chatbot

The fourth item within the menu list is for the chatbot. If you are not comfortable asking questions to the avatar, you can make use of the chatbot to type in the questions and get the answers from the AI.



### g) News and RAG over it

The fifth item within the menu list is for the News. On clicking on it, you will get the latest news over the stocks. If you do not want to read the entire news article, you can ask the Avatar questions related to the news based on title and description.



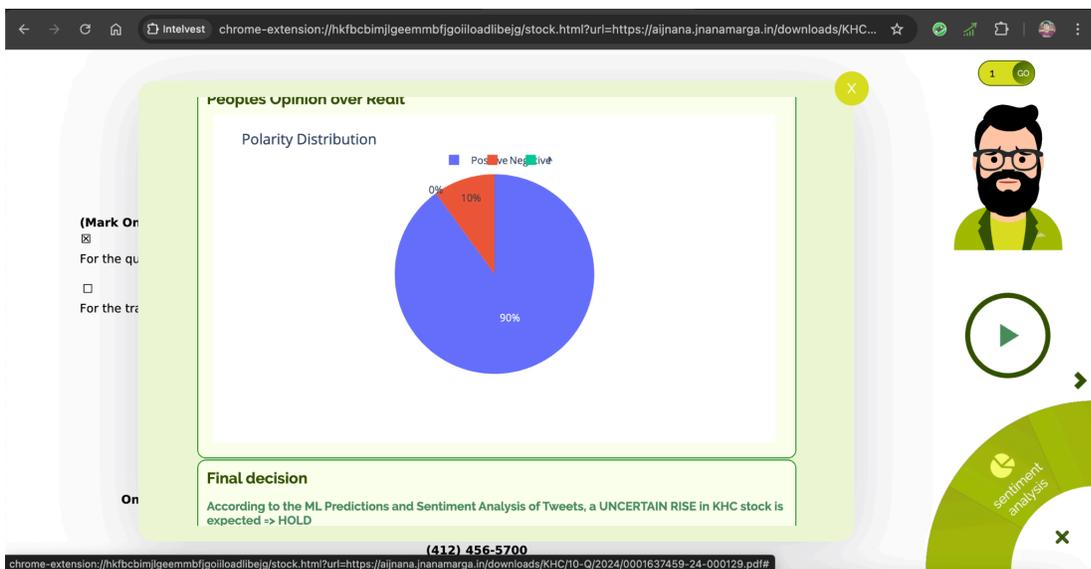
## h) Charts

The sixth item within the menu list is for the Charts. On clicking on it, you will get various visualizations for different financial attributes. These charts can also be compared with different stocks or indices.

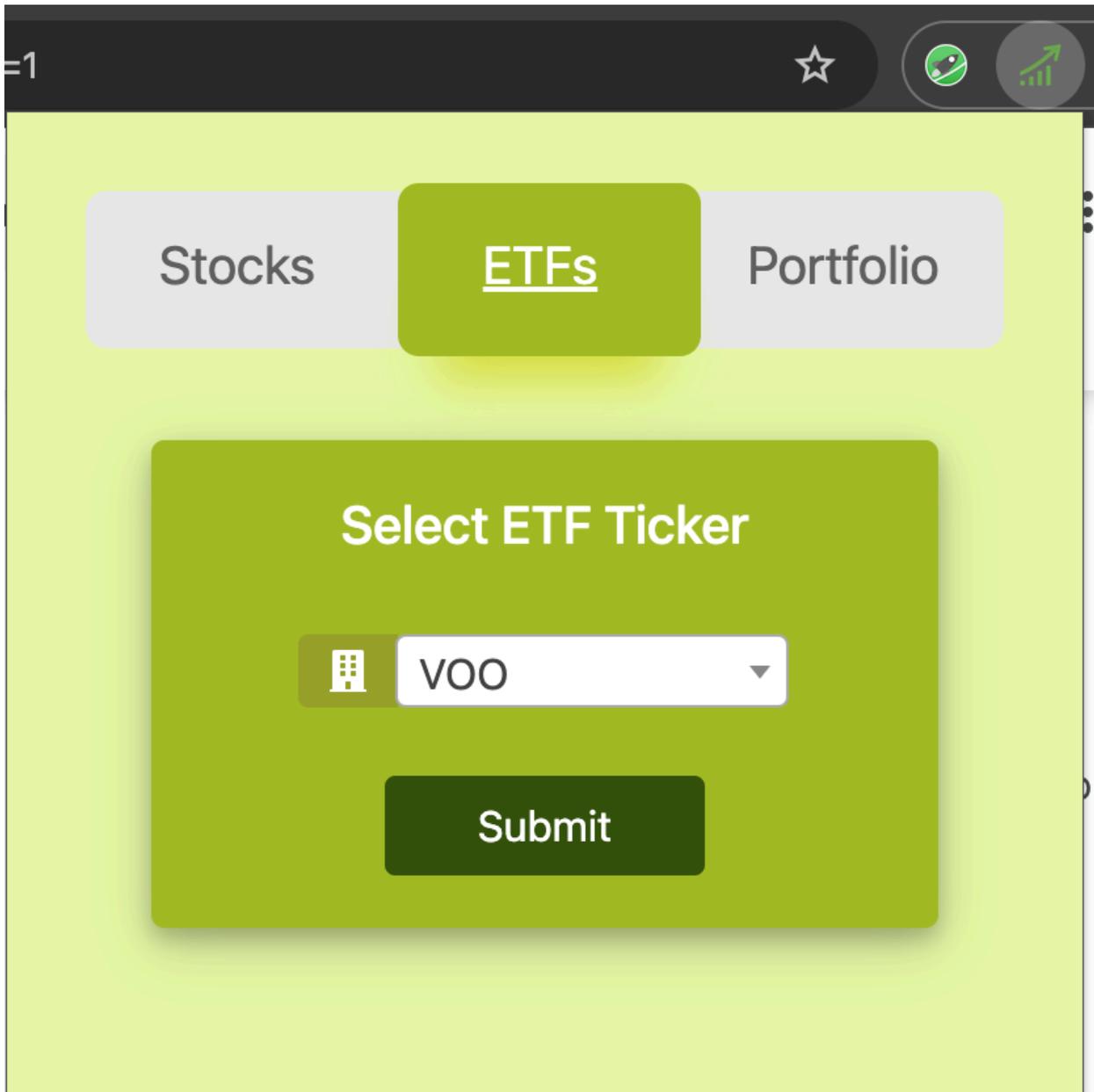


## i) Sentiment Analysis

The seventh item within the menu list is for sentiment analysis. On clicking on it, you will get the opinion whether to buy or sell the stock from the posts of the reddit users as well as the approx pricing forecast of the stock predicted using ML.



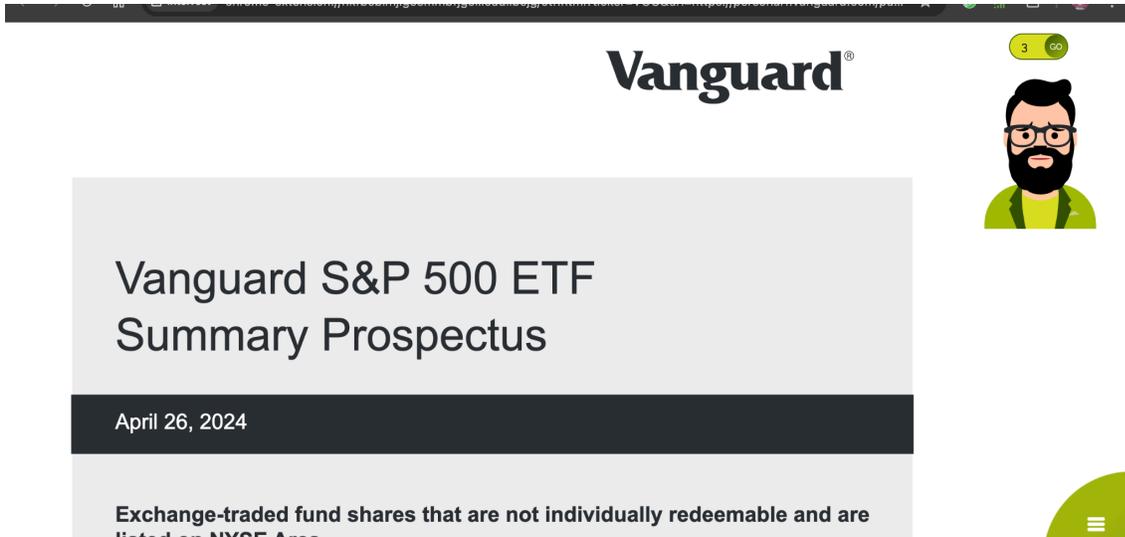
## 2) ETFs



The image shows a web application interface with a dark header bar containing a star icon, a magnifying glass icon, and a bar chart icon. Below the header, there are three tabs: "Stocks", "ETFs", and "Portfolio". The "ETFs" tab is selected and highlighted in a dark green color. Below the tabs, there is a large green box with the text "Select ETF Ticker". Inside this box, there is a search input field with a magnifying glass icon on the left and a dropdown arrow on the right. The text "VOO" is entered in the input field. Below the input field, there is a dark green "Submit" button.

To get more information related to a particular ETF, select the ticker symbol and click on the “Submit” button.

This will open up the prospectus pdf of the ETF in a new tab.



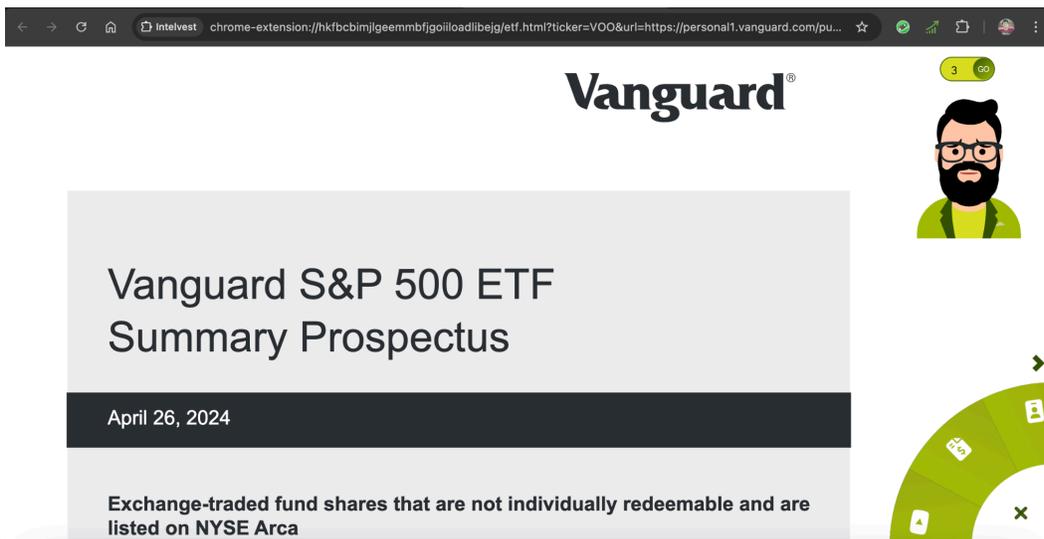
The ETF prospectus would open up in the browser plugin. Within the plugin you will see the avatar with whom you can ask the questions over the prospectus and the menu list. On clicking the hamburger icon the menu list will open up.

## Feature Set.

### a) Talking Avatar

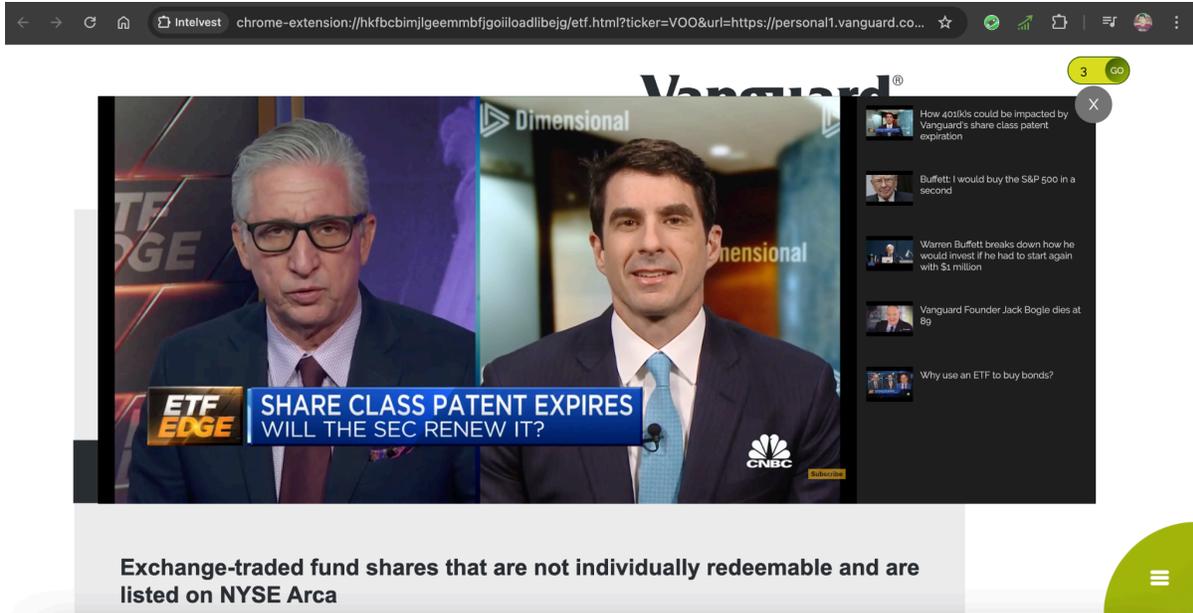
Click on the avatar and ask any question related to the prospectus opened. Based on the content of the prospectus, you will get the answer.

On clicking the hamburger icon, you will get more items. Hovering on each of the items will tell you what exactly its meant for.



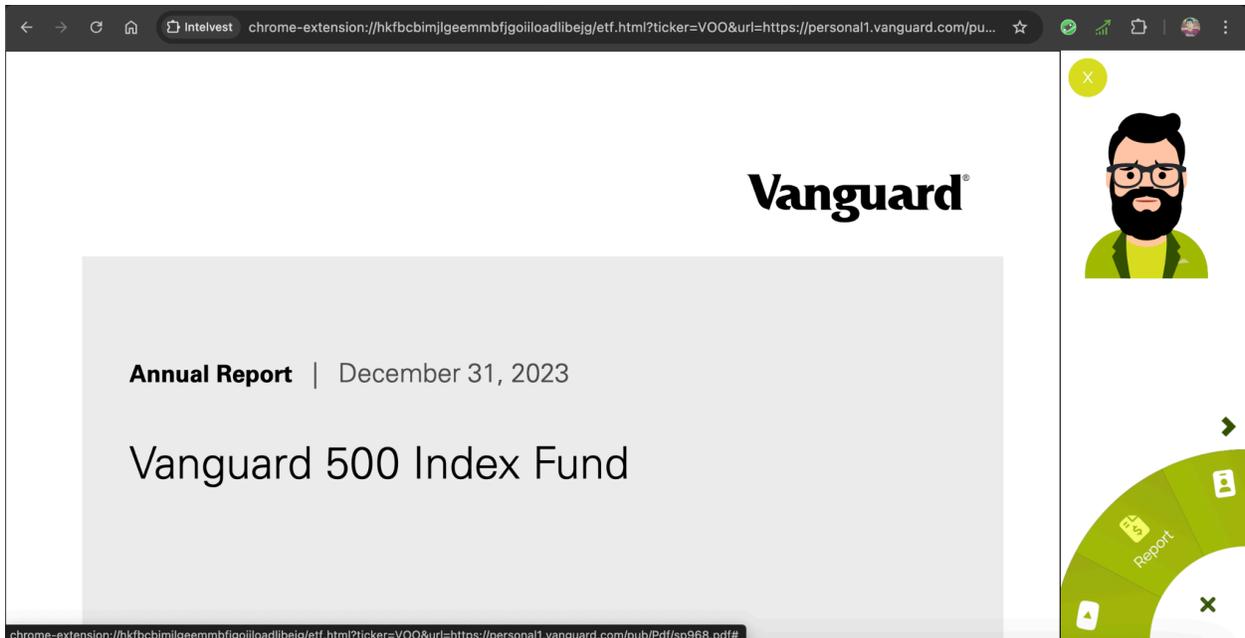
## b) Videos related to the ETFs

The first item within the menu that you see is the videos related to the ETF selected. Click on it and you will see the below window.



## c) Annual Report

The second item within the menu list is for the annual report. On clicking it you will get the annual report for that particular ETF..



#### d) ETF Profile

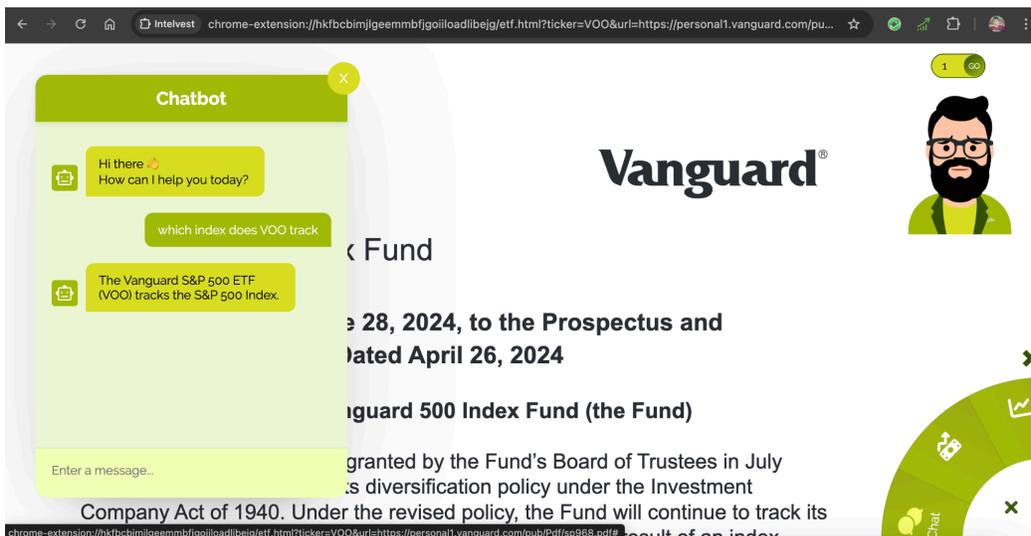
The third item within the menu list is for the profile. On clicking it you will get the ETF quote details.



Make use of the arrow pointing towards the right to see the next set of items within the menu.

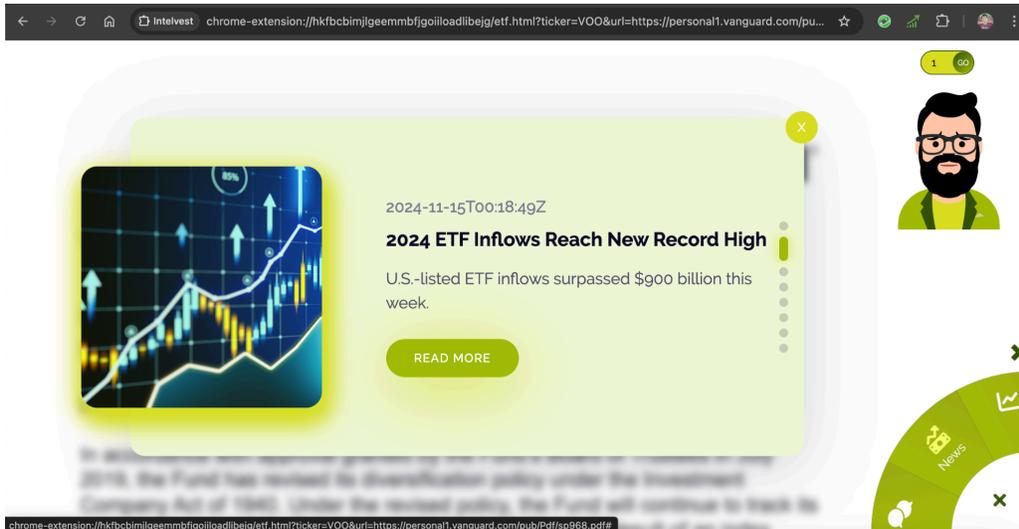
#### e) Chatbot

The fourth item within the menu list is for the chatbot. If you are not comfortable asking questions to the avatar, you can make use of the chatbot to type in the questions and get the answers from the AI.



## f) News and RAG over it

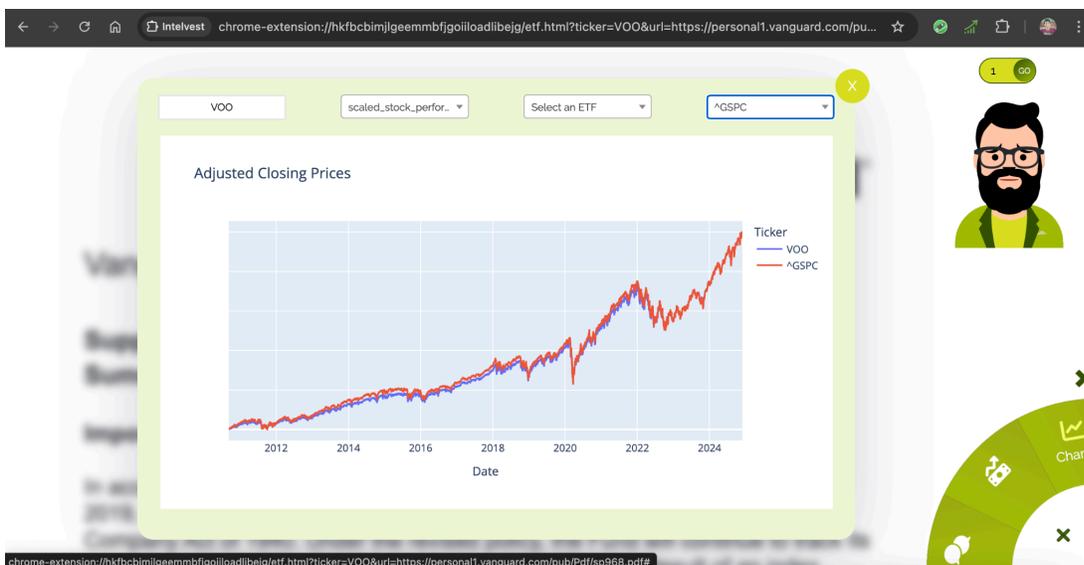
The fifth item within the menu list is for the News. On clicking on it, you will get the latest news over the ETF. If you do not want to read the entire news article, you can ask the Avatar questions related to the news based on title and description.



The screenshot shows a news article titled "2024 ETF Inflows Reach New Record High" with a timestamp of "2024-11-15T00:18:49Z". The article text states: "U.S.-listed ETF inflows surpassed \$900 billion this week." Below the text is a "READ MORE" button. The article is displayed in a light green overlay on a browser page. To the right, a chat interface features a bearded avatar and a "News" menu item highlighted in a green arc. The browser address bar shows a URL with "ticker=VOO&url=https://personal1.vanguard.com/pub/Pdf/sp968.pdf#".

## g) Charts

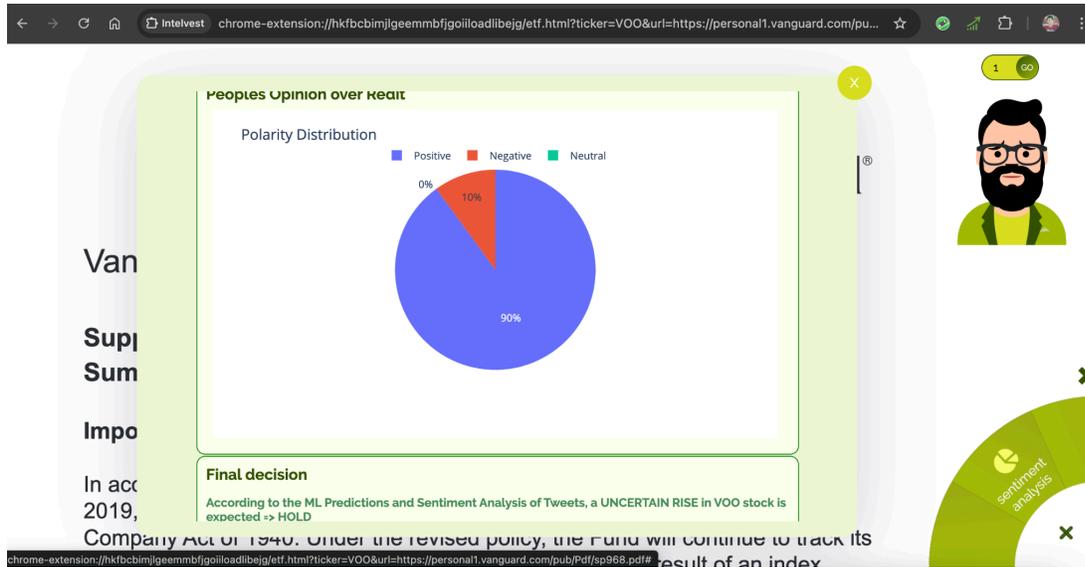
The sixth item within the menu list is for the Charts. On clicking on it, you will get various visualizations for different financial attributes. These charts can also be compared with different ETFs or indices.



The screenshot displays a line chart titled "Adjusted Closing Prices" comparing the performance of VOO (blue line) and ^GSPC (red line) from 2012 to 2024. The chart shows both indices trending upwards, with VOO generally tracking below ^GSPC. The x-axis is labeled "Date" and ranges from 2012 to 2024. The y-axis represents the adjusted closing price. Above the chart, there are input fields for "VOO", "scaled\_stock\_perfor..", "Select an ETF", and "^GSPC". The chart is shown in a light green overlay on a browser page. To the right, a chat interface features a bearded avatar and a "Charts" menu item highlighted in a green arc. The browser address bar shows a URL with "ticker=VOO&url=https://personal1.vanguard.com/pub/Pdf/sp968.pdf#".

## g) Sentiment Analysis

The seventh item within the menu list is for sentiment analysis. On clicking on it, you will get the opinion whether to buy or sell the ETF from the posts of the reddit users as well as the approx pricing forecast of the stock predicted using ML.



### 3) Portfolio

The screenshot shows a mobile application interface for managing a portfolio. The top navigation bar includes 'Stocks', 'ETFs', and 'Portfolio' tabs. The 'Portfolio' tab is selected. The main content area contains a form with three input fields: 'Portfolio Name...' (with a house icon), a dropdown menu set to 'None' (with a scales icon), and 'Cash in hand...' (with a dollar sign icon). Below these fields is a large dashed green box with the text 'Drop file here or click to upload'. Underneath this box is a green link labeled 'Sample CSV'. At the bottom of the form is a dark green button labeled 'My Portfolio'.

The retail investor or the institutional investor or the RIA (Registered Investment Advisor) for the retail investor can upload his or their clients portfolio to understand various Risk and Returns metrics via visualization. Click on the sample CSV to download it and then have your portfolio as per the sample csv.

Please enter the portfolio name, rebalancing period, cash in hand and upload the CSV of your portfolio.

Once you upload your portfolio, you will get the following screen

chrome-extension://hkfbcbimjgeemmbfgoiiloadlibejg/portfolio.html?type=existing

## My Portfolios

- LargeCap
- Diversified
- LCapScenario1
- LCapScenario1
- LCapScenario2
- LCapScen3
- Value

Assets	Security	Asset Type	Quantity	Purchase Price in \$	Current Price	Current Value	Purchase Date	
1	<a href="#">AAPL</a>	stock	equity	5	225.91	234.93	1174.65	2024-11-01
2	<a href="#">VOO</a>	etf	equity	5	522.67	550.55	2752.75	2024-11-01
3	<a href="#">MCD</a>	stock	equity	10	292.11	295.08	2950.80	2024-11-01
4	<a href="#">COST</a>	stock	equity	2	874.18	961.55	1923.10	2024-11-01
5	<a href="#">QQQ</a>	etf	equity	5	483.85	505.30	2526.50	2024-11-01
6	<a href="#">BA</a>	stock	equity	10	154.15	152.40	1524.00	2024-11-01
7	<a href="#">UBER</a>	stock	equity	7	72.46	71.62	501.34	2024-11-25
8	<a href="#">ICE</a>	stock	equity	7	159.47	161.19	1128.33	2024-11-25

Buy Sell

Portfolio name: LargeCap Cash in hand (\$): 13110.41 Rebalancing period: Year

Update Portfolio Save as new

**a) Asset Allocation**

You will also see the weight distribution based on the uploaded portfolio.

chrome-extension://hkfbcbimjgeemmbfgoiiloadlibejg/portfolio.html?type=existing#

### 2) Asset Allocation & Rebalancing Strategy

Asset Allocation

asset name	ticker	weights
Apple Inc	AAPL.US	0.080702
Vanguard S&P 500 ETF	VOO.US	0.186713
McDonald's Corporation	MCD.US	0.208700
Costco Wholesale Corp	COST.US	0.124913
Invesco QQQ Trust	QQQ.US	0.172845
The Boeing Company	BA.US	0.110134
Uber Technologies Inc	UBER.US	0.036239
Intercontinental Exchange Inc	ICE.US	0.079754

Rebalancing is the process by which an investor restores their portfolio to its target allocation by selling and buying assets. After rebalancing all the assets have original weights.  
 Rebalancing period can be: Month, Year, Half-year, Quarter or None (for not rebalanced portfolios).

**Weights With Rebalancing**

**Weights Without Rebalancing**

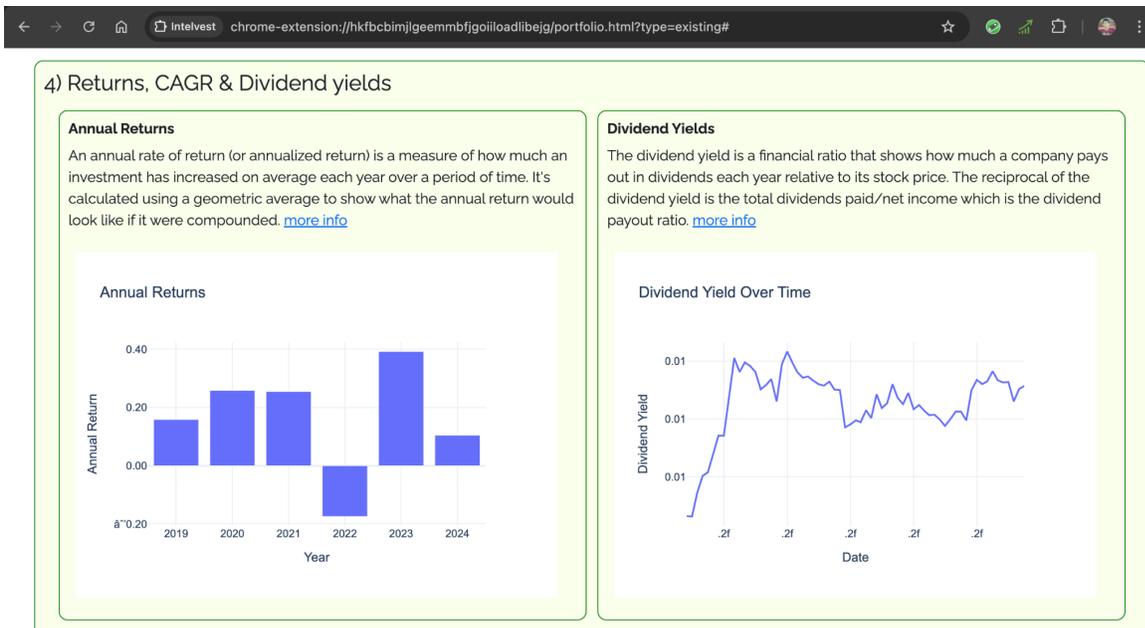
## b) Risk Metrics

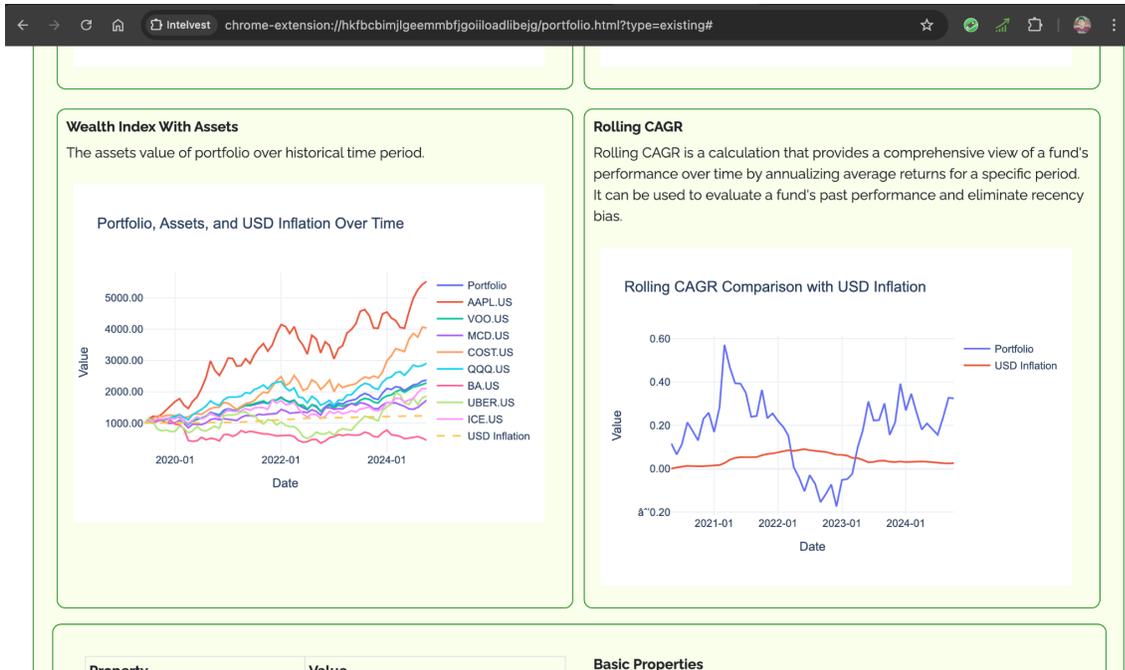
Next section is the Risk Profile where you will get to see various Risk metrics like Annual Risk, Drawdowns, var, Cvar and diversification ratio.



## c) Return Metrics

Similarly there is Return Profile which will show Annual Returns, Dividend Yield, Wealth Index and Rolling CAGR.

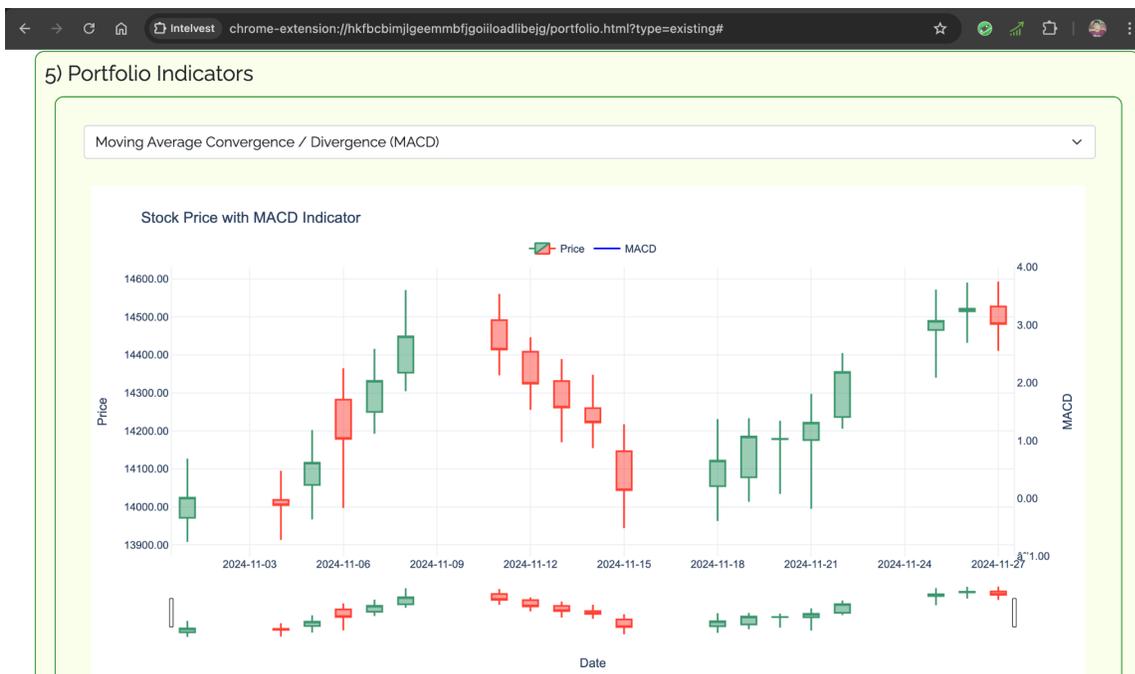




### d) Portfolio Indicators

We are also showing various portfolio indicators like

- Moving Average Convergence / Divergence (MACD)
- Volume Weighted Average Price (VWAP)
- Bollinger Bands



## e) Model Portfolios

We are showing Model Portfolios designed by SSGA, so that the investor can make some changes to it and modify it to have his own portfolio. ([Refer](#))

6) Model Portfolios

Following are the Active Asset Allocation ETF Portfolios designed by State Street Global Advisors.

Conservative
  Moderate
  Growth
  Moderate Growth
  Max Growth
  Moderate Conservative

Assets	Name	Current Weight	New Weight	Difference	As of
1	<a href="#">BILL</a> SPDR Bloomberg 1-3 Month T-	4.50%	4.00%	-0.5	2024-12-11
2	<a href="#">GLD</a> SPDR GOLD SHARES USD (GL	2.50%	2.00%	-0.5	2024-12-11
3	<a href="#">GWX</a> SPDR S&P Intl Small Cap ETF	3.50%	3.50%	0	2024-12-11
4	<a href="#">JNK</a> SPDR Bloomberg High Yield B	3.50%	3.50%	0	2024-12-11
5	Core Cash Allocation	2.00%	2.00%	0	2024-12-11
6	<a href="#">SPDW</a> SPDR Portfolio World ex-US E	13.00%	13.50%	0.5	2024-12-11
7	<a href="#">SPEM</a> SPDR Portfolio Emerging Mark	15.50%	15.50%	0	2024-12-11
8	<a href="#">SPMD</a> SPDR Portfolio S&P 400 Mid C	4.50%	4.50%	0	2024-12-11
9	<a href="#">SPSM</a> SPDR Portfolio S&P 600 Small	5.50%	5.50%	0	2024-12-11
10	<a href="#">SPTL</a> SPDR Portfolio Long Term Treas	0.50%	0.00%	-0.5	2024-12-11
11	<a href="#">SPY</a> SPDR S&P 500 ETF TRUST US	25.50%	26.50%	1	2024-12-11
12	<a href="#">XLSR</a> SPDR SSGA US Sector Rotatio	19.50%	19.50%	0	2024-12-11

## f) Comparing Portfolios

You will be able to compare the list of portfolios that you have created for various metrics like risk, returns and wealth index.

7) Comparing Portfolios

LargeCap
  Diversified
  + LCapScenario
  + LCapScenario1
  + LCapScenario2
  + LCapScen3
  + Value
  + DiversifiedScen1

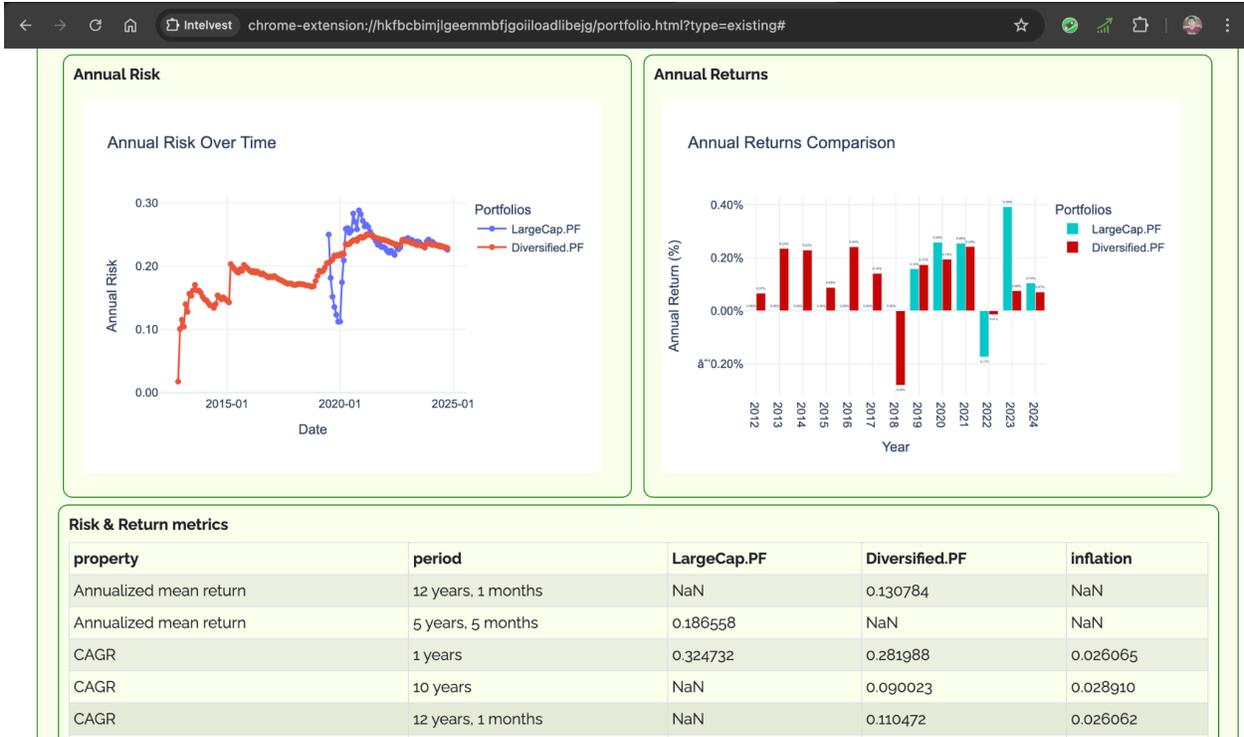
**Sharpe ratio**

Portfolio	Sharpe ratio
LargeCap	0.83
Diversified	0.57

**Wealth Index of Portfolios**

Wealth Index Comparison

**Annual Risk** **Annual Returns**



The investor can also Buy assets and Sell assets modifying their portfolios and visualise the difference in the metric using charts.

**Buy Assets**

Symbol: NVDA

Security Type: Stock

Asset Type: Equity

Current Price: \$135.34

Quantity: 2

Total Cost: \$270.68

Preview Order

**Sell Assets**

Symbol: QQQ

Security Type: etf

Asset Type: equity

Current Price: \$505.3

Purchase Price: \$483.85

Quantity: 5

Preview Order

## Advisors Account

Once the R.I.A signs up as an advisor and logs in to our platform, he or she will see an option to add clients. The advisor will have to provide the email ids of the clients that he wants to add under him. Please note that before adding any clients, the clients will have to register into our platform with the same email id.

The screenshot shows the Intelvest platform interface for an advisor account. The browser address bar indicates the URL: chrome-extension://ifcngimkbbkjooeiddhbcjpbjblffmanh/portfolio.html?type=existing. The main navigation bar includes 'My Portfolios' (highlighted in green), 'Analyse Portfolio With A.I', 'Generate Retirement Plan', 'Construct SSGA Model Portfolio', and 'Mean Variance Optimization (Efficient Frontier)'. Below this, the 'For Advisors' section contains an 'Add your clients' form with a text input field for 'Clients Email (separated by "," for more than one)' and a green 'Add Client(s)' button. Underneath, the 'My Clients' section shows two client cards: one for 'Developer (developer@jnanamarga.in)' with a plus icon, and one for 'John (support@jnanamarga.in)' with a checkmark icon. The bottom section, titled 'John's Portfolio', features a green 'LargeCapPF' button and a table of assets.

	Assets	Security	Asset Type	Quantity	Purchase Price in \$	Current Price	Current Value	Purchase Date
1	AAPL	stock	equity	5	225.91	199.74	998.70	2024-11-01
2	MSFT	stock	equity	10	406.35	366.82	3668.20	2024-11-01
3	VCO							

Once the advisor adds the clients, our backend team will first get the approval from the added clients and if they agree, we will mark the request to add clients raised by the advisor as approved.

Once the request is approved, the advisor will be able to see his added clients as well as their individual portfolios. He can make use of these portfolios to explain to his clients the various strategies or adjustments that are required to be done.

## **How Registered Investment Advisor can make use of IntelVest?**

Intelvest helps Registered Investment advisor to very easily work with their clients to develop a personalized investment plan which they can edit and improve. This generation of the investment plan using the data provided by the client is done using our AI platform.

Registered Investment advisor can also make use of our platform to help his clients with a retirement account. The R.I.A can also come up with a portfolio which is very much equivalent to the SSGA Model portfolios. This is an affordable way of coming up with conservative, moderate and growth portfolios by matching equivalent assets from the SSGA model portfolio. By providing us the assets from your retirement fund, we help you in coming up with portfolios representing different investment strategies based on risk tolerance.

The R.I.A can come up with an optimised portfolio from his retirement funds using the Mean Variance Optimisation with Efficient Frontier curve. This optimisation is performed using the standard Efficient Frontier and therefore you will get to see the graph with an efficient frontier curve plotted on it.

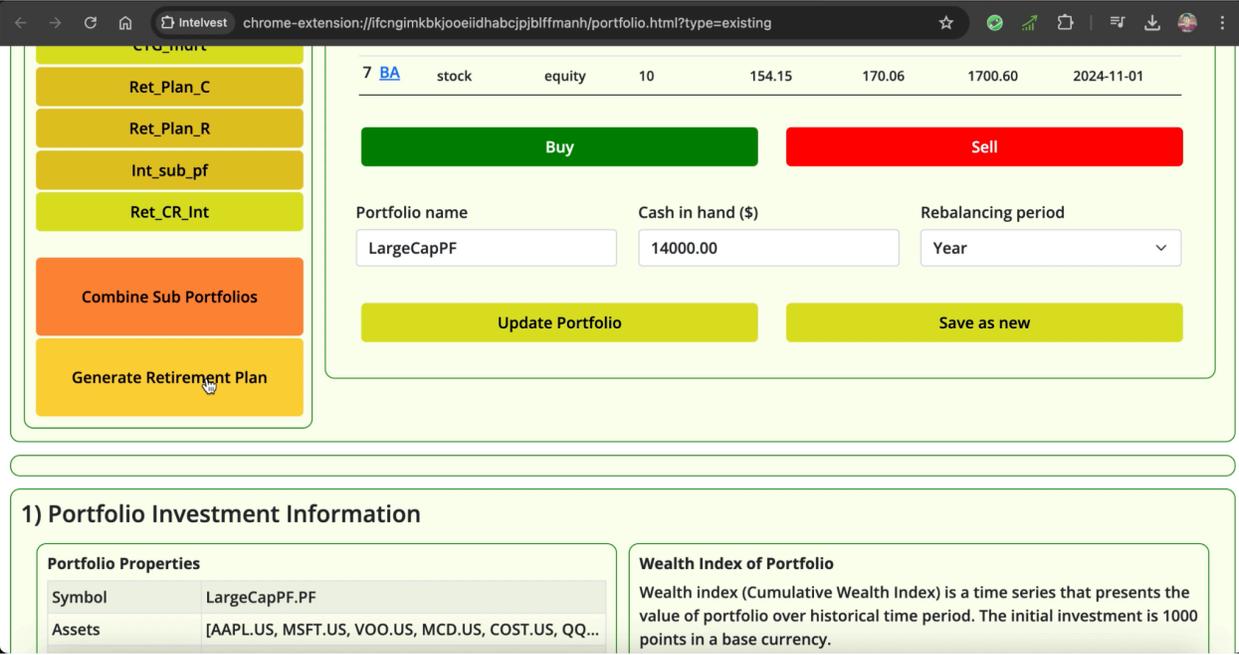
The user or the R.I.A can also analyse his or her portfolio with the help of A.I in our platform. The advisor can make use for this feature to explain to their clients the outcomes of the analysis based on the current market conditions. This feature will let you know if there is any concentration of stocks in your portfolio and how it can be reduced. You will also get to see magnificent 7, bond, country and sector exposures within your portfolio. Finally, based on the recent market news, you will get a suggested portfolio adjustment which you can discuss with your advisor and make a decision.

### **A) Generating Investment Plan as per clients needs.**

The ability to fill a simple form and quickly establish a rapport with a client and generate an investment plan that can then be further customized is a very important asset to Investment Advisors that Intelvest provides. The transparency and ease of this process makes it a very valuable benefit both to the investment advisor and to the client.

The form can be filled either by the client alone or by the client along with the advisor in an Online Zoom call or Google Meet. The Intelvest platform uses this form to take the next steps including plan generation as well as goals and objectives and help create a long term fiduciary relationship with the client. The process accommodates inflation, as well as the asset investment and cash withdrawal plan to meet various client objectives and goals.

Being able to do this rapidly with the power of Generative AI is a key feature of Intelvest and other cutting edge Intelligent Gen AI based Investment Management Platforms.



Once you click on the "Generate Retirement Plan" button, it will open up a form with an Investor questionnaire. It will ask you to enter all the necessary details required to come up with a personalized investment plan. Let me fill up the fields one after another as you see it on the screen.

**Investor Questionnaire**

How old are you?

Can you provide some details regarding your family?

- Are you currently married, single, divorced, or widowed?
- Do you have a spouse/partner who will be involved in financial decisions?
- Do you have any children or dependents? If so, how many?
- What are the ages of your dependents?
- Are you financially responsible for anyone other than yourself (e.g., elderly parents, siblings)?
- Are you planning for any future dependents (e.g., expecting children)?

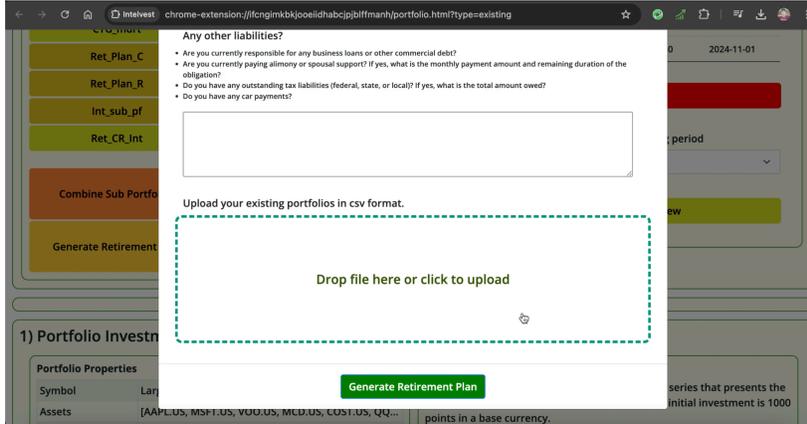
Current Monthly Income (in \$)

Current Monthly Expenditures (in \$)

Following are the questions asked in the questionnaire.

- How old are you?
- Can you provide some details regarding your family?
- Current Monthly Income (in \$) [After tax]
- Current Monthly Expenditures (in \$) [Not including residence]
- Your Estimated Net Worth (in \$)
- What is your expected Retirement Date
- Can you provide some details on your home ownership?
- Can you provide info on your Mortgage & Loan Details?
- Select your Risk Appetite
- What are your Goals and Preferences?
- Can you provide details on Family related responsibilities?
- Do you have a pension if any?
- Are you currently receiving Social Security benefits?
- Do you currently have long-term care insurance?
- Any other payments?
- What are your current sources of income (e.g., salary, business, investments, rental properties)?
- Do you have an emergency fund? If so, how many months' worth of expenses does it cover?
- Have you experienced any significant market downturns in the past? How did you react to those situations?
- Time Horizon and Liquidity Needs

- Tax considerations
- How much money do you need every month after retirement?
- Are you interested in socially responsible investing (SRI), environmental, social, and governance (ESG) criteria, or impact investing?
- Do you currently participate in your company's Employee Stock Purchase Plan (ESPP)?
- His current portfolio and account type.



The aim is to build an investment plan on the basis of a conversation held between the advisor and the client. All the necessary information is garnered from the form with the additions added by the investment advisor. If necessary the investment advisor can also add his own information.

At the end you can upload your existing portfolios in CSV format. Once all the details are filled, click on the "Generate Retirement Plan" button.

It will come up with a personalized investment plan along with the projected portfolio withdrawals. The generation of investment plan also provides investors, a strategy that couples with the current investment of the client.

**Overview of Our Financial Situation**

You are a 30-year-old individual with a stable monthly income of \$25,000 and expenditures of \$15,000, excluding residence costs. Your net worth is approximately \$500,000, and you own a home valued at \$1.2 million with an \$800,000 mortgage. Your primary financial goals are wealth accumulation for retirement at age 60 and funding your children's college education. You have a moderate [risk appetite](#), tolerating a 10% to 20% loss, and are interested in [ESG-compliant investments](#). Your current investment portfolio is primarily held in a 401K account, with a mix of equity and bond mutual funds.

**Investment Strategy**

Based on your risk appetite, goals, and financial standing, I recommend the following investment strategy:

- Maintain a diversified portfolio with a mix of equities and bonds to balance risk and return.
- Consider increasing your allocation to ESG-compliant funds to align with your values.
- Utilize [tax-efficient investment options](#) such as Roth IRAs and maximize contributions to your 401K to reduce taxable income.
- Adopt a [safe withdrawal rate](#) of around 4% to ensure your portfolio grows despite withdrawals.

**Asset Allocation Plan**

Here is a recommended asset allocation plan with expected returns and risks:

Asset Type	Current Weight (%)	Recommended Weight (%)	Expected Return (%)	Risk Level
Equities	42	50	7-9	Moderate
Bonds	58	50	3-5	Low

### Portfolio Adjustment Table

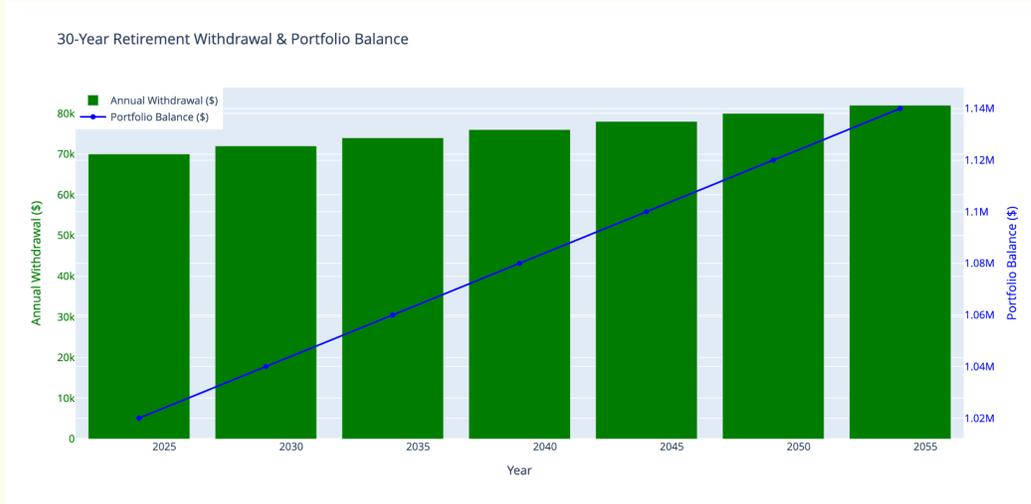
Symbol	Description	Current Weight (%)	Recommended Weight (%)	Justification
VINIX	VANGUARD INST INDEX	10	12	Increase exposure to large-cap equities for growth potential.
JLGMX	JPM LG CAP GROWTH R6	5	6	Enhance growth potential with large-cap growth equities.
AVUAX	AM CENT MD CP VAL I	10	10	Maintain current allocation for mid-cap value exposure.
VSMAX	VANG SM CAP IDX ADM	12	12	Continue small-cap exposure for diversification.
REGX	AF EUROPAC GROWTH R6	5	5	Maintain international exposure for diversification.
FFSZX	FID FREEDOM 2065 K6	20	15	Reduce bond allocation to increase equity exposure.
FHTKX	FID FREEDOM 2040 K6	20	15	Reduce bond allocation to increase equity exposure.
PDBZX	PGIM TOTAL RTN BD Z	3	5	Maintain bond allocation for stability.
FVTKX	FID FREEDOM 2060 K6	15	10	Reduce bond allocation to increase equity exposure.

### 30-Year Withdrawal Simulation Table

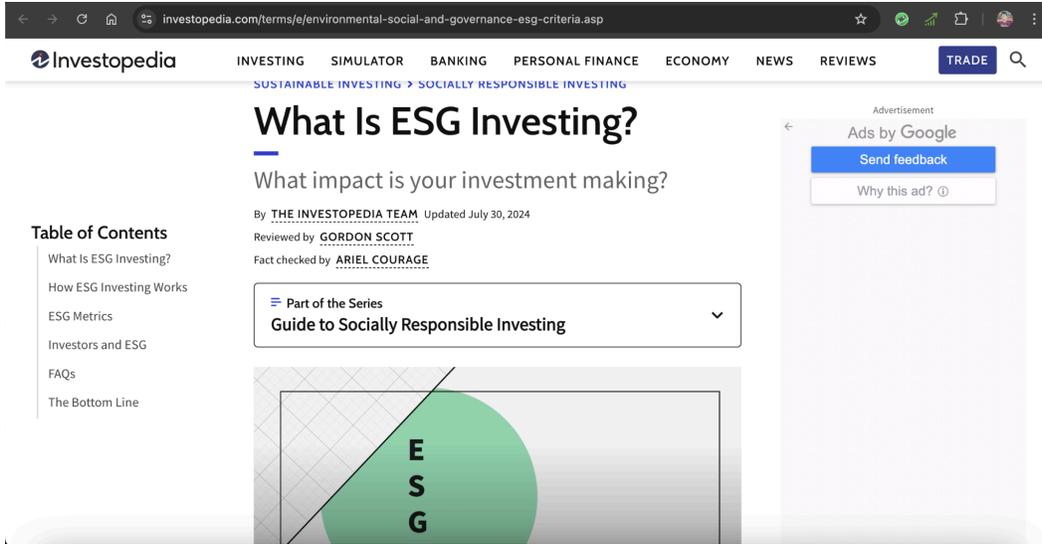
Year	Starting Balance	Withdrawals	Ending Balance	Inflation Adjustments
2024	\$1,000,000	\$70,000	\$1,020,000	\$2,000
2029	\$1,020,000	\$72,000	\$1,040,000	\$2,000
2034	\$1,040,000	\$74,000	\$1,060,000	\$2,000
2039	\$1,060,000	\$76,000	\$1,080,000	\$2,000
2044	\$1,080,000	\$78,000	\$1,100,000	\$2,000
2049	\$1,100,000	\$80,000	\$1,120,000	\$2,000
2054	\$1,120,000	\$82,000	\$1,140,000	\$2,000

2049	\$1,100,000	\$80,000	\$1,120,000	\$2,000
2054	\$1,120,000	\$82,000	\$1,140,000	\$2,000

#### Withdrawal & Portfolio Balance Cashflow



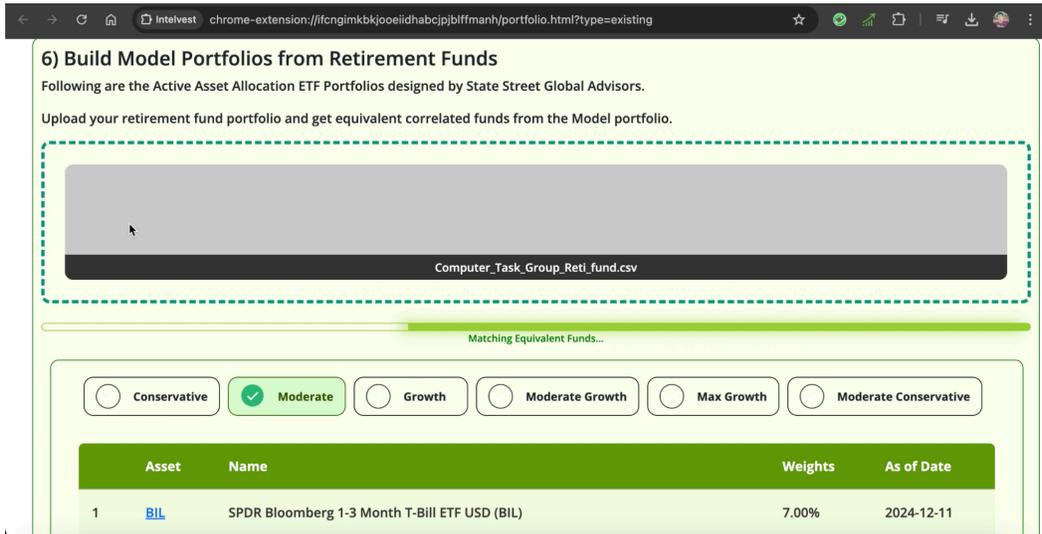
The investment advisor can also click on some of the terms mentioned in the plan and open it up in a new window pointing to investopedia.com. He can make use of this to explain some of the investment terms which the client is not aware of. Further the client too can use the platform to better understand both the terminology as well as the investments themselves.

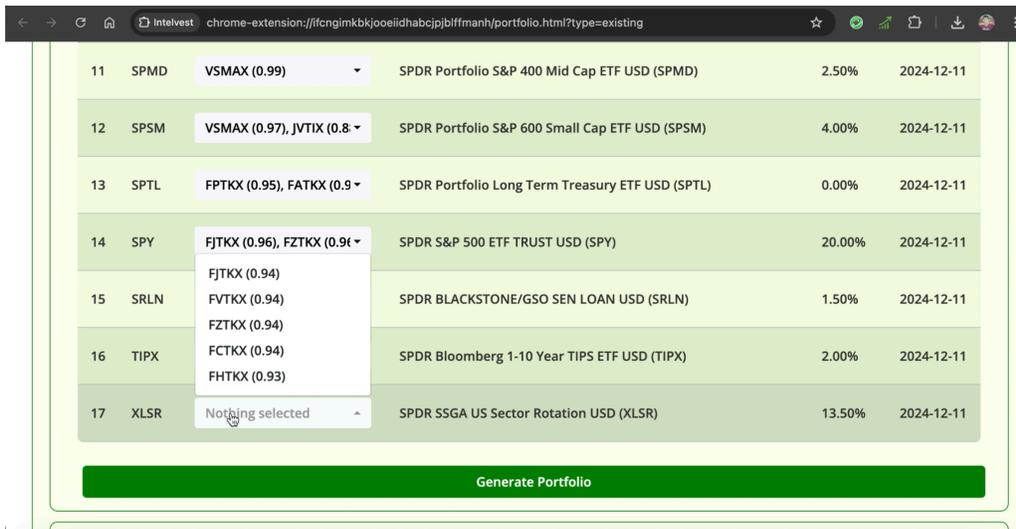


The investment advisor can arrive at the investment strategy with the client and help him to map his needs and risk appetite in order to better improve, compliment and enhance his investment portfolio. He will be rebalancing to meet the necessities of the clients.

**B) Coming Up with an SSGA Model, Equivalent Portfolio from Clients Retirement Fund.**

The R.I.A can first select the type of the portfolio he wants to build i.e. conservative, moderate or growth and then upload his clients retirement funds in the CSV format. Once the file gets uploaded it will start matching the equivalent retirement funds with model portfolio funds. This may take some time.

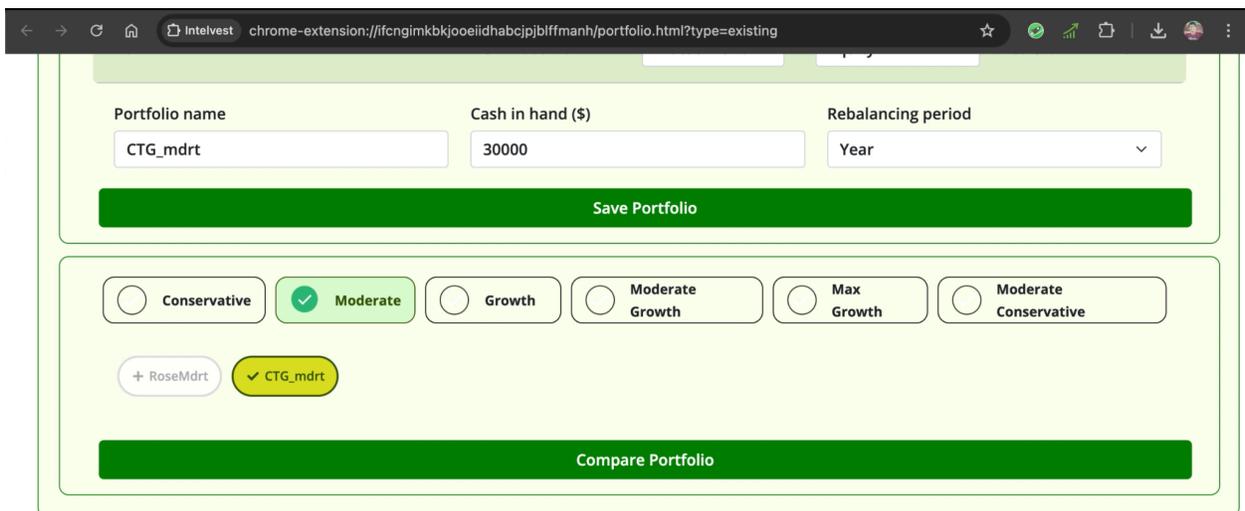




Once the matching is done, you will be shown the list of equivalent funds besides the model funds along with its correlation match. The R.I.A has an option to select the best correlated assets. He can also select more than one asset matching the model fund.

After selecting the equivalent funds, he can click on the Generate Portfolio button. This will generate the portfolio using the equivalent funds from the retirement plan. The R.I.A can save this portfolio by giving it a name.

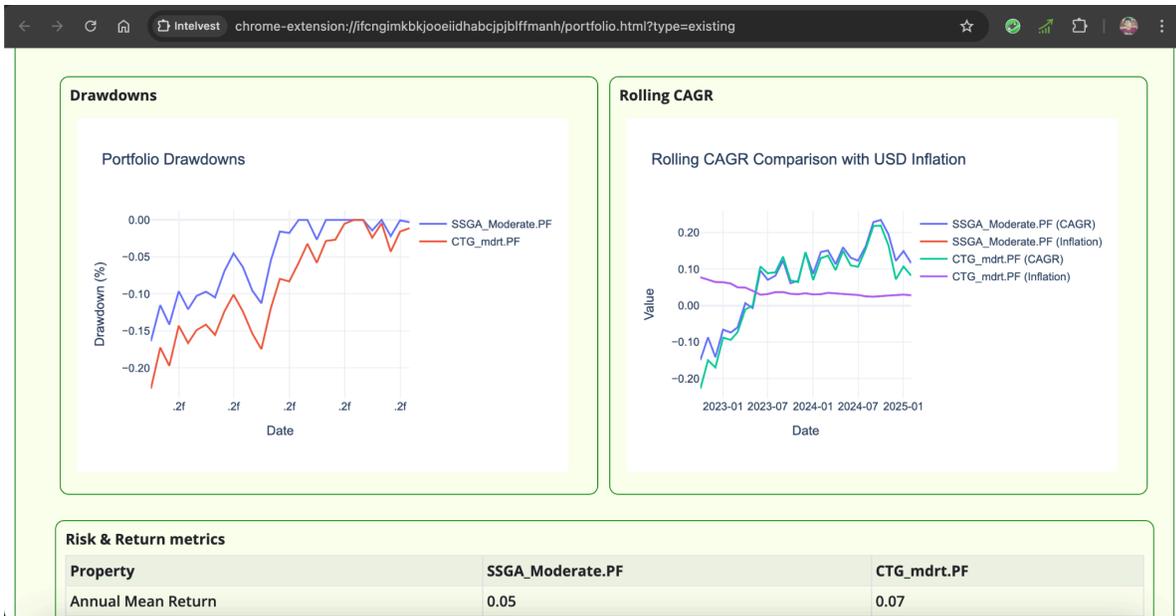
Once the new portfolio is saved you will notice it in the compare section below.



### 7) Mean Variance Optimization (Standard Efficient Frontier)

Upload your retirement fund portfolio to get Optimized Portfolio with Efficient Frontier Curve.

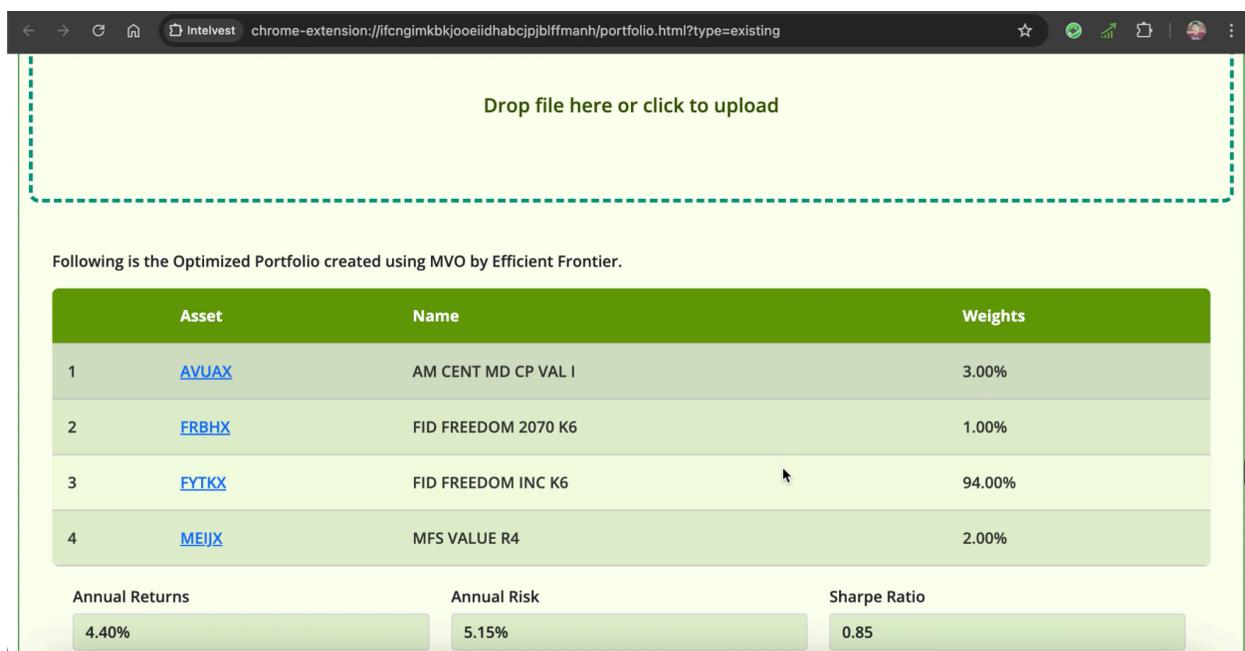
The newly constructed portfolio will be closely tracking the type of the portfolio he had selected while uploading the retirement fund csv. To compare them, click on the compare portfolio button.



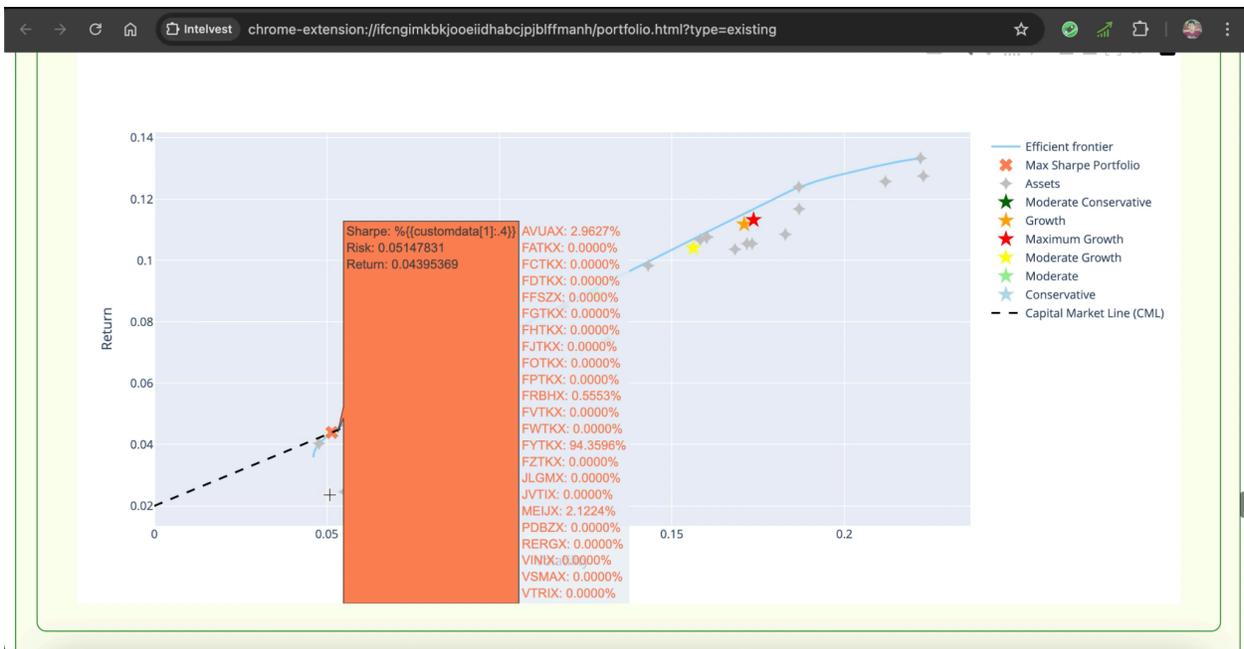
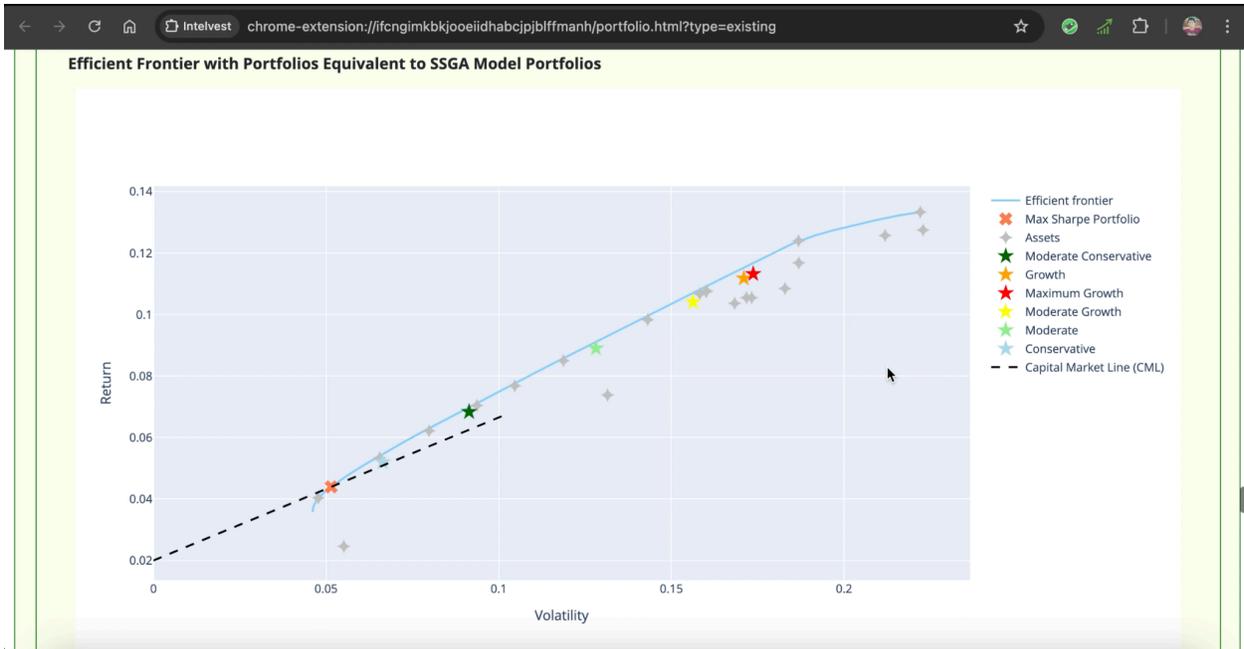
You will notice that the newly created portfolio closely tracks with SSGA moderate portfolio with the help of the various graphs shown here. You can see how closely it tracks the model portfolio interns of Risk, Returns, Drawdowns and the rolling CAGR.

### C) Coming Up with an Optimized Portfolio from Clients Retirement Fund.

The R.I.A can come up with an optimised portfolio using the Mean Variance Optimisation with Efficient Frontier curve. The R.I.A can start by uploading his clients Retirement account. Once the file gets uploaded, it will generate weights to be assigned to each of these retirement funds thus coming up with an optimised portfolio. It will also show you the sharpe ratio along with annual risk and returns.



This optimisation is performed using the standard Efficient Frontier and therefore you will get to see the graph with an efficient frontier curve plotted on it. The max sharpe point that you see here corresponds to the optimised portfolio shown above. Similarly if you go over the line, you will notice the other combinations of the portfolio from the retirement funds.



The R.I.A can make use of this graph to explain to his clients the various portfolios he can go with based on risk and returns. Each point on this curve will constitute a portfolio with assets from the retirement fund. The SSGA model portfolios will be also plotted in this graph which will make the client understand how close the newly constructed portfolio is with respect to the SSGA model portfolio.

If the client wants to go with a moderate conservative portfolio, the RIA will simply select the point on the efficient frontier curve just above the moderate conservative point. By inputting the risk or return of the selected point, he can get the portfolio attached to that point.



6	<a href="#">MEIJX</a>	MFS VALUE R4	<input type="text" value="4.20"/>	Select Constraint	<input type="text" value="0.00"/>
7	<a href="#">GBTC</a>	Grayscale Bitcoin Trust ETF	<input type="text" value="10.00"/>	Equals (=)	<input type="text" value="0.10"/>
8	<a href="#">VNQ</a>	Vanguard Real Estate ETF	<input type="text" value="5.00"/>	Equals (=)	<input type="text" value="0.05"/>
9	<a href="#">DBE</a>	Invesco DB Energy Fund	<input type="text" value="7.45"/>	Select Constraint	<input type="text" value="0.00"/>
			<input type="text" value="100.00%"/>		
Ticker	Name	Weight (%)			
<input type="text"/>	<input type="text"/>	<input type="text"/>			
<input type="button" value="Add Asset"/>					
<input type="button" value="Generate Efficient Frontier with New Settings"/>					

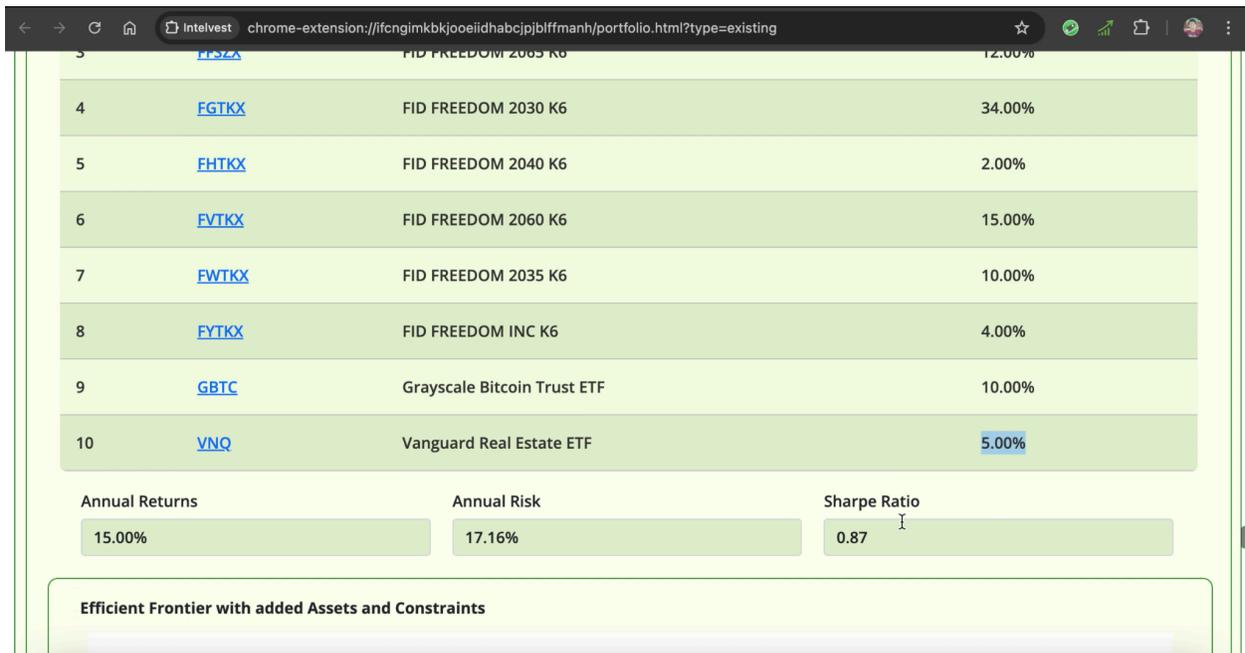
Here he can also add his own assets, as well as set constraints to it.

To make this portfolio better diversified I have included alternative investments like bitcoin, real estate and Energy fund. Grayscale Bitcoin Trust ETF for 10%, Vanguard Real Estate ETF for 5% and Invesco DB Energy Fund for 7.45%. Make sure you adjust the weights such that the total portfolio weight comes to 100%.

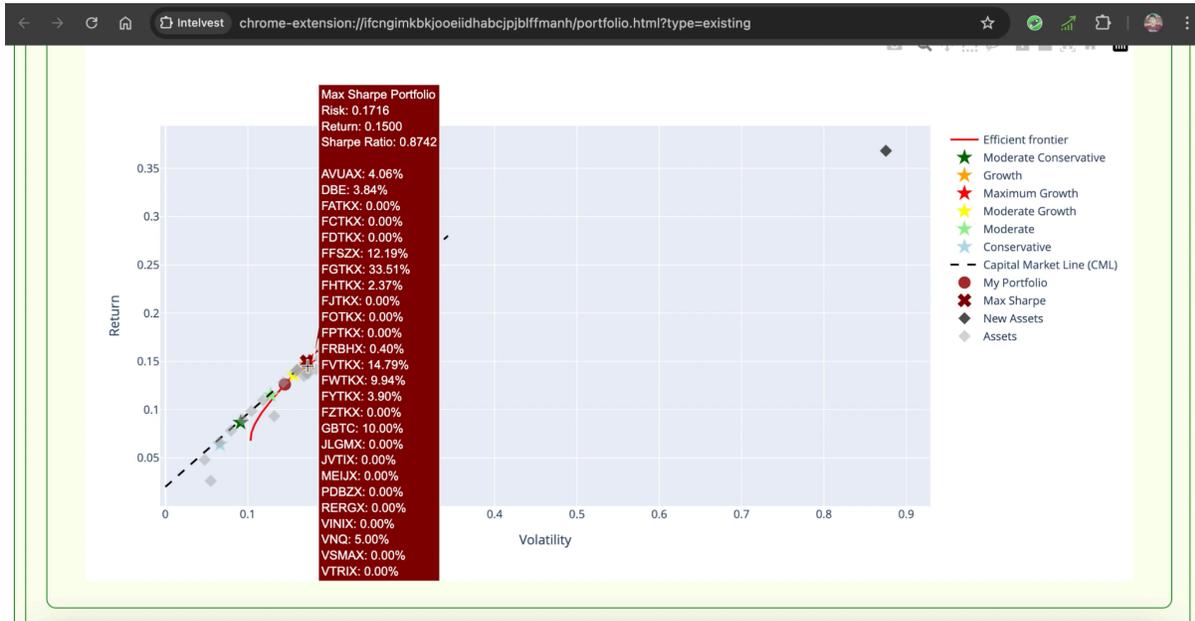
I have also set the constraints to Bitcoin and Real estate to be equal to 10% and 5% respectively.

You can also include thematic strategies like AI, semi and tech infra, software as well as sector special strategies.

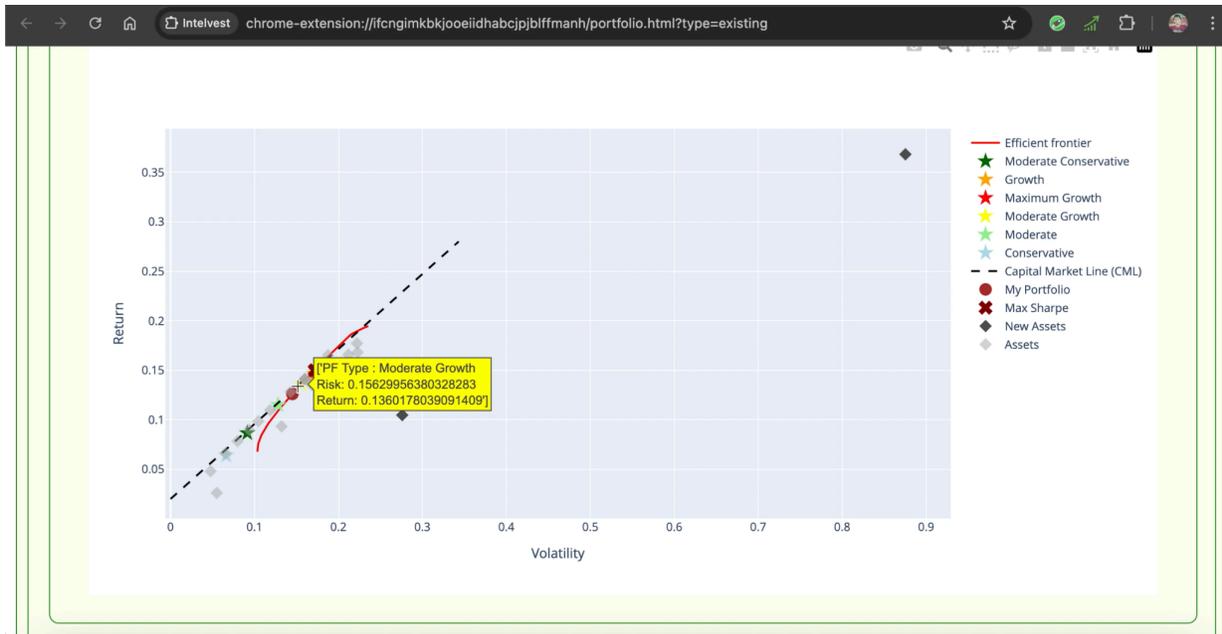
Now let's see the reflected changes by clicking on Generate Frontier with new Settings button.



You will see that our constraints have been applied and the optimised portfolio strictly comprises 10% bitcoin and 5% real estate.

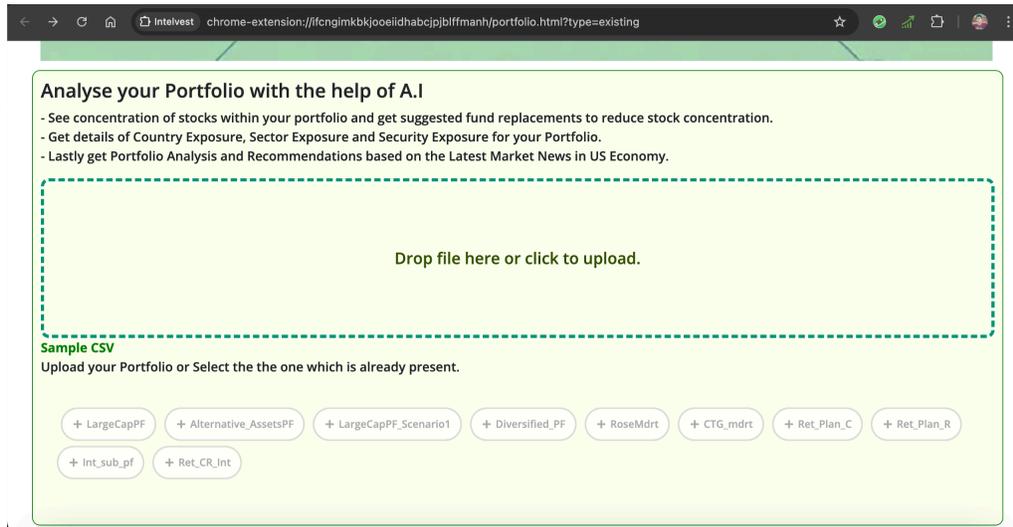


Further when you have a look at the graph, you would notice that the max sharpe point has been raised to a higher risk value as well as our new portfolio. Due to higher risk involved in Bitcoin fund and since we have constrained it to be 10%, our moderate conservative portfolio has drifted towards moderate growth. In this way the RIA will be able to manage risk, facilitate periodic rebalancing and manage ongoing diversification to achieve superior risk/return performance.



## D) Analysing your Portfolio with the help of A.I.

The client can upload his portfolio or select one of the portfolios that he has in his account and make use of the platform to analyse it. Similarly the advisor can make use for this feature to explain to their clients the outcomes of the analysis based on the current market conditions.



Once the portfolio is selected or uploaded, you will get the analysis done by A.I.

The analysis will include potential areas of stock concentration within the portfolio and recommend suggestions to replace funds to reduce the stock concentration.



## Suggested Fund Replacements to Reduce Stock Concentration

Current Fund	Current Weight (in percent)	Issue	Recommended Change	Suggested Replacement Fund	New Weight (in percent)	Why This Helps
VINIX	20%	High concentration in large-cap tech stocks	Reduce exposure	Vanguard Mid-Cap Index Fund (VIMAX)	10%	Diversifies into mid-cap stocks, reducing large-cap concentration
JLGMX	15%	High concentration in large-cap tech stocks	Reduce exposure	Fidelity Small Cap Index Fund (FSSNX)	10%	Increases small-cap exposure, balancing the portfolio

## New Portfolio Allocation Summary

Fund Symbol	Fund Name	Category	Total Weight (in percent)
VINIX	VANGUARD INST INDEX	Equity	10%
VIMAX	Vanguard Mid-Cap Index Fund	Equity	10%
JLGMX	JPM LG CAP GROWTH R6	Equity	5%
FSSNX	Fidelity Small Cap Index Fund	Equity	10%
AVUAX	AM CENT MD CP VAL I	Equity	10%
VSMAX	VANG SM CAP IDX ADM	Equity	10%
RERGX	AF EUROPAC GROWTH R6	Equity	10%
FFSZX	FID FREEDOM 2065 K6	Bond	10%
FHTKX	FID FREEDOM 2040 K6	Bond	10%
PDBZX	PGIM TOTAL RTN BD Z	Bond	10%
FVTKX	FID FREEDOM 2060 K6	Bond	5%

It will also provide you Portfolio Exposure analysis which includes Magnificent 7 exposure, Bond Exposure, Country Exposure and Sector Exposure.

## Portfolio Exposure Analysis

### Magnificent 7 Exposure

Security	Approx. Exposure (%)	Notes
Apple Inc (AAPL)	1.23	Present in VINIX and JLGMX
Microsoft Corp (MSFT)	1.24	Present in VINIX and JLGMX
NVIDIA Corp (NVDA)	1.25	Present in VINIX and JLGMX
Amazon.com Inc (AMZN)	1.01	Present in VINIX and JLGMX
Meta Platforms Inc Class A (META)	0.92	Present in VINIX and JLGMX
Alphabet Inc Class A (GOOGL)	0.19	Present in VINIX
Alphabet Inc Class C (GOOG)	0.60	Present in VINIX and JLGMX
Tesla Inc (TSLA)	0.43	Present in VINIX and JLGMX

### Long Bond Exposure

Bonds	Approx. Exposure (%)	Notes
FID FREEDOM 2065 K6 (FFSZX)	20	Bond Fund
FID FREEDOM 2040 K6 (FHTKX)	20	Bond Fund
PGIM TOTAL RTN BD Z (PDBZX)	3	Bond Fund
FID FREEDOM 2060 K6 (FVTKX)	15	Bond Fund

### Country Exposure

Finally you will get the latest market news in the U.S economy and what impact has it made on your portfolio. You will get revised asset allocation of your portfolio based on the market news along with the list of stocks which have not performed well since.

The screenshot shows a web browser window with the following content:

## Latest Market News in US Economy

The latest market news highlights several key developments in the US economy. OpenAI has expressed interest in acquiring Google's Chrome browser, which is part of a broader effort by the US Department of Justice to promote competition in the online search market. Additionally, the stock market is experiencing volatility, with some stocks trading below their intrinsic value, presenting potential opportunities for investors. The S&P 500 and Nasdaq Composite indices remain below their recent highs, indicating a challenging market environment. Meanwhile, companies like MercadoLibre are performing well, with significant gains this year.

### Relevant News Links

- OpenAI signals interest in acquiring Google's Chrome browser
- Stock Market Sell Off: 3 No-Brainer Dividend Stocks to Buy If You Want to Get Paid
- Meet the Monster Stock that Continues to Crush the Market
- 2 Tech Stocks That Could Help Set You Up for Life
- Tesla, Broadcom, and TSMC All Lost Their Trillion-Dollar Club Memberships. Which One Is Most Likely to Rejoin First?
- 34.4% of Warren Buffett's \$265 Billion Portfolio Is Invested in 4 Artificial Intelligence (AI) Stocks

### Portfolio Analysis and Recommendations

Based on the latest market news, it is advisable to adjust the portfolio to better align with current market conditions. Here are some tips and revised asset allocation recommendations:

#### Revised Asset Allocation Recommendations

Asset ticker	Asset Name	Asset Class	Current Weight (%)	Recommended Weight (%)	Justification
VINIX	VANGUARD INST INDEX	Equity	10	12	Strong performance of tech stocks in the fund
JLGMX	JPM LG CAP GROWTH R6	Equity	5	7	Positive outlook for growth stocks
				2	Moderate performance, slight reduction

https://finance.yahoo.com/news/openai-signals-interest-acquiring-google-113658701.html

If the retailer investor is making use of this feature it is always advisable to discuss with your advisor or financial professional before you go ahead with the suggested allocation changes.