Assignment – Python

Company Information end point – [localhost:5000/getCompanyInfo/NVDA](http://localhost:5000/getCompanyInfo/NVDA)

A screenshot of a computer

AI-generated content may be incorrect.

Stock Market End point – [localhost:5000/getMarketInfo/NVDA](http://localhost:5000/getMarketInfo/NVDA)

A screenshot of a table

AI-generated content may be incorrect.

Historical Data end point - [localhost:5000/submitDates](http://localhost:5000/submitDates)



Analytical insights end point – [localhost:5000/performanalysis/NVDA](http://localhost:5000/performanalysis/NVDA)

A graph showing a line graph

AI-generated content may be incorrect.

A graph on a screen

AI-generated content may be incorrect.

A graph showing a wave of time

AI-generated content may be incorrect.

I have used 3 analytical insights visualization graphs

1. Stock price trend – Stock price trend analysis helps assess the profitability of investments performance of stock in comparison to other stocks and make a informed decision.
2. The moving averages are often plotted on price charts to visually represent trends and potential support/resistance levels, Traders use crossovers as signals for potential buy or sell opportunities, depending on their trading strategy and time horizon.
3. Volatility measures the degree of price variation over time and is crucial for assessing risk. Volatility analysis assists in risk assessment and position sizing. Higher volatility may require wider stop-loss levels.  By analyzing volatility, we can get with insights into the potential ups and downs of our portfolios, helping set appropriate risk tolerances and diversify investments.