Stock AI

Team GeePeeTea

What we do

This Multi modal, multi agent AI platform simplifies investment research by offering news, charts, financials, and sentiment analysis in one place and as single file of brief information, saving you time and effort in making investment decisions

All the analysis at one click

CHART ANALYSIS

Extract the trends and key features from a chart visually through vision models

MULTI TIME FRAME ANALYSIS

Analyze graph of long, medium and short term simultaneously to have better context for recommendation

NEWS SENTIMENT ANALYSIS

Fetch all the data related to the stock and process it through chain of thought using Fine tuned LLMs.

EASY TO UNDERSTAND

Providing a simple textual analysis without any technical explanation on the current market behavior and recommendations for their next steps

FORECASTING

Using RAG to forecast the market. With each vectors being a normalized time frame of a time period.
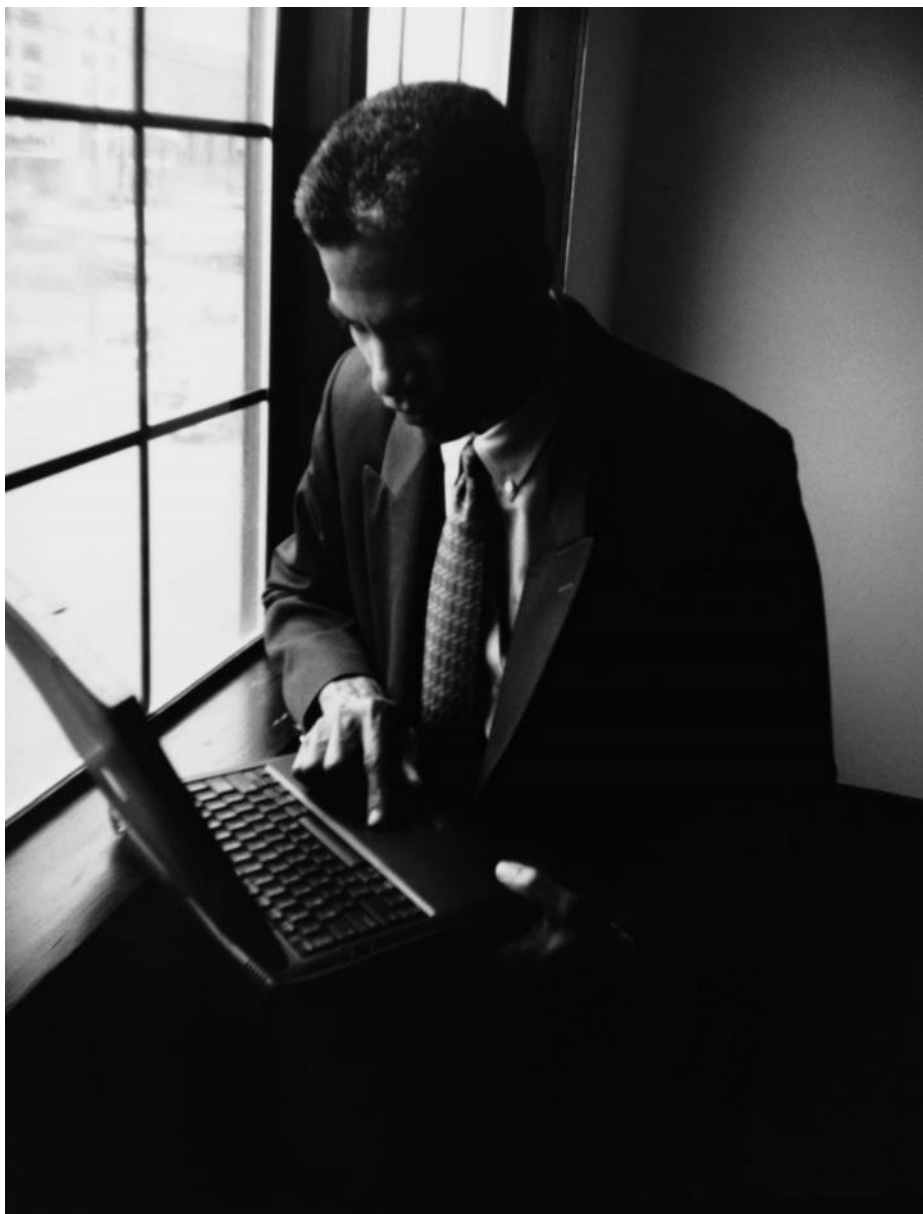
Forecasting RAG

TIME SERIES? AND RAG? HOW?

In a higher level let's assume you have time window of 5 days. And the values are 12, 13, 14 ,11,10. The 10 being the value of current day. We will normalize it relative to the last day

NORMALIZATION

[value at (day-i)-value at present day]/value at present day
Eg: (12-10)/10, (13-10)/10, (14 – 10)/10, (11-10)/10
= 0.2, 0.3, 0.4, 0.1

The vector obtained captures the relative position of the price of the stock at any date irrespective of the value.

SEMANTIC SEARCH

We create such embeddings for extremely large set of snippets of shares and store them in a vector database. As soon as a query is provided we search for the closest k patterns and create an average of their next 5 time stamps. Hence providing predictions.

Future Plans

OPEN SOURCE TIME SERIES MODEL HUB

Taking inspiration from hugging face, we plan to make a leaderboard of time series model

UI

We plan to Build a Next Js App with a python backend with neat dashboarding

FINE TUNING

Fine tuning the individual models, using better API, enhancing prompts

SUMMARY

We aim to provide expert level market analysis to the people, without any high premium costs.

We enable people to have a glance on a paragraph on the go and catchup to the recent developments to their stocks without wandering through multiple sources for the right answers.

THANK YOU

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Pitch deck title