



Stock Market Dashboard Enhancements

1 Real-Time User Updates via Bots

 Technology: Chatbots, WebSockets, Push Notifications

 Status: Pending

- Integrate AI bots to provide real-time updates to users.
- Automate handling of new user onboarding and queries.

2 Enhanced Model Accuracy with External Parameters


 Technology: Market Data APIs (Fyers, NSEPython)

 Status: Pending

- Add US Dollar, Gold price, and other economic indicators to improve predictive accuracy.


3 Email Notifications for Stock Prices

 Technology: SMTP, WebSockets, Market Data APIs

 Status: In Progress

- Send real-time email alerts for stock price changes (both invested & interested stocks).

4 Chatbot for Stock Market FAQs

 Technology: NLP, AI Chatbot Frameworks (Dialogflow, Rasa), Social Media Bots (Tweepy, Reddit API, Instagram API, Telegram Bot API)

 Status: Started

- Develop an interactive chatbot to answer common questions related to stock investing and markets.
- Integrate Twitter (Tweepy), Reddit, Instagram, and Telegram bots to fetch and provide real-time discussions, trends, and insights from these platforms.
- Enable users to receive stock market updates directly via social media and messaging platforms.

5

Case Studies on Stock Market Gains & Losses



Technology: Data Visualization, Power BI



Status: Pending

- Add a dedicated section showcasing common profit & loss scenarios.

6

Dynamic Stock Tracking Feature



Technology: Yahoo Finance Library, PyTorch Models



Status: Done

- Users can input custom stock names and track them dynamically.
- Utilized Yahoo Finance Library for stock data retrieval.
- Integrated PyTorch models for stock prediction and analysis.