

GAMIFICATION AND FinTech EDUCATION



StockPlayground

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PROBLEM STATEMENT

Develop an innovative solution that leverages gamification principles to educate users about the complexities of the stock market. Create an engaging platform or application that simulates real-world trading scenarios, providing users with interactive learning experiences, tutorials, and challenges. The goal is to empower individuals to make informed investment decisions and build financial literacy through an immersive and entertaining educational experience.

PROBLEMS IN PRESENT

1. Support → P2P (Peer to Peer) doubt solving
2. Practice problem sessions
3. Risk Management

OUR SOLUTION



Implementing Peer to Peer support
for doubt solving and taking
practice problem sessions



Limiting the cash amount of
trading by using experience coins

FEATURES



Objective n° 1

Gamified version of stock market simulated playground

Objective n° 2

Quick practice sessions for technical analysis with explanation to collect coins.

Objective n° 3

Demos on real time graph fledged with marking indicator

Objective n° 4

24/7 community support tutorials and challenges.

Objective n° 5

Experience based trading

SCREENSHOTS

The screenshot shows the Stock PlayGround interface. On the left is a sidebar with navigation links: Home, Stocks, stocks Trends, Knowledge, Game, News, Community Post, and MyStockVerse. The main area is titled "Real-Time Stock Trend" and "STOCKS TRENDS". It displays a candlestick chart for Microsoft Corp. (MSFT) from October to April. The chart includes a green moving average and a blue SuperTrend line. A sidebar on the right shows price levels: 420.45, 409.73, 406.85, 329.92, and 16.5M. At the bottom, it says "Stockverse All right reserved" and "HomeStockNews".

Tutorials

Live Chart

The screenshot shows the Stock PlayGround Knowledge section. It features two video thumbnails: "Intro to Stocks" (0:00 / 4:29) and "Nifty / Sensex 101" (0:00 / 2:06). Below each thumbnail is a brief description. The sidebar on the left is identical to the one in the first screenshot.

Knowledge Section

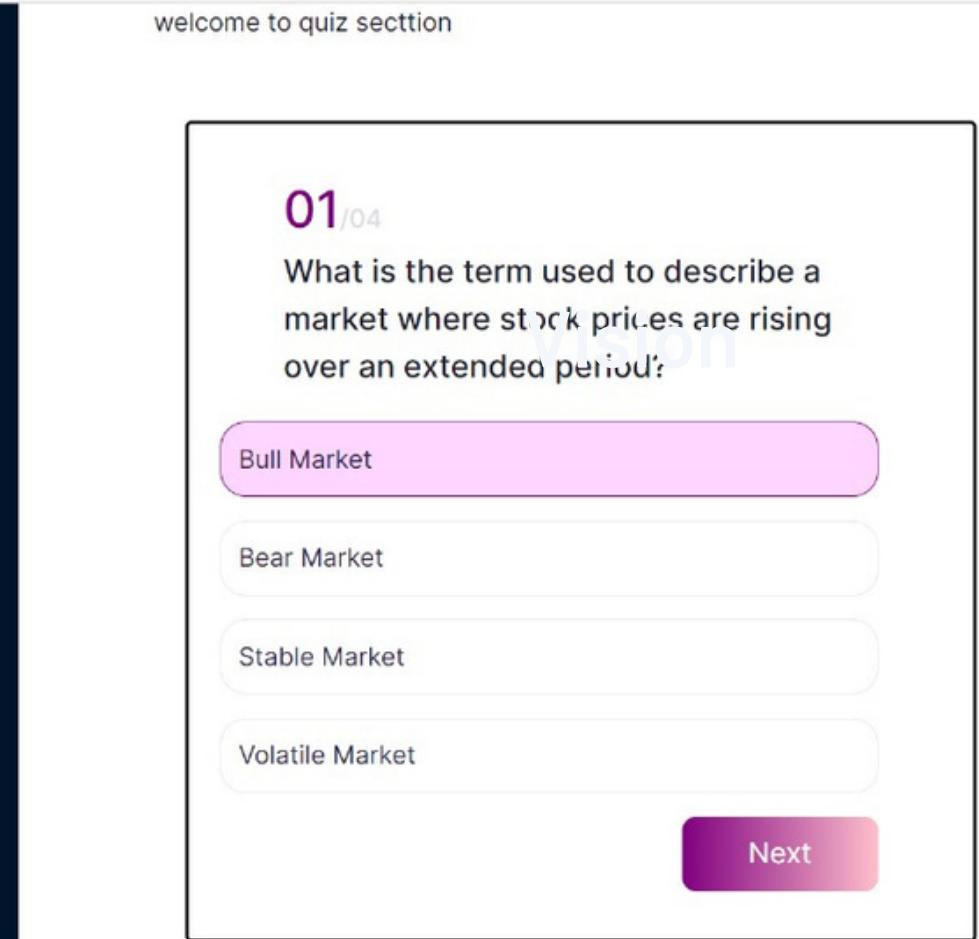
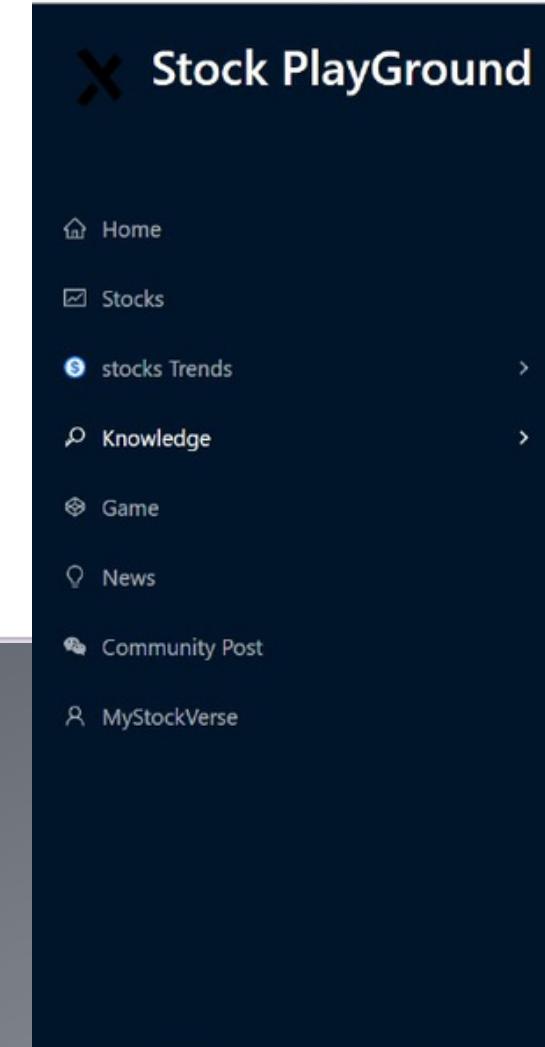
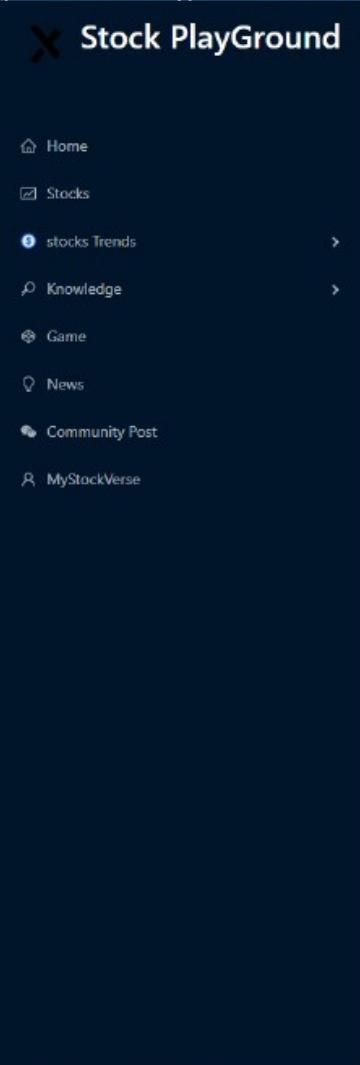
Intro to Stocks
Stocks are one of the primary components of the financial markets, representing ownership in a company. When you purchase a stock, you essentially acquire a share of ownership in that company, entitling you to a portion of its assets and earnings

Nifty / Sensex 101
TNifty and Sensex are two prominent stock market indices in India. These indices serve as barometers for the overall performance of the stock market and provide insights into the direction of the economy.

SCREENSHOTS

Technical Practice

Quiz



FUTURE SCOPE

- 01** Addition of real trading (after achieving significant amount of experience coins).

- 02** Making predictors using AI/ML

- 03** Making certification programs

- 04** Incorporating advance trading facilities such as option trading, future trading, short, etc.

FEATURES THAT CAN BE IMPLEMENTED GIVEN MORE TIME



AI/ML Predictor
Fetch data using API and store in csv form
preprocess the data and give labels.
split the data in training and testingsets
Implement random forest



Certification Program
Partner with universities,colleges and schools to offer educational resources and provide certification for course taken.

CONCLUSION

Overall, our solution aims to democratize access to financial education and empower users of all backgrounds to navigate the stock market with confidence. By combining gamification elements with FinTech education, we provide a dynamic and immersive learning experience that makes learning about finance enjoyable, engaging, and accessible to everyone.

