Stock Price Prediction

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Dept: CSE AIML

Sec: B

Subject: Software Engineering & Project Management

Sub Code: 18CSC206J

Project: Stock Price Prediction

Domain: Machine Learning

Team Members:

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Aim:

To develop an ingenious artificial recurrent neural network technique using python for more suitable stock market projections.

Purpose:

Using this model, anyone can observe the preferred stock to invest as it can

- Maximize the profit by purchasing volume at the lowest price and liquidating the stock when it's at its highest.
- Minimize the loss by selling the stock just at the right time, so users wouldn't have to face loss over their investments.

Stock Price Prediction using Neural Network

The project is about predicting the returns on stocks. Development is broadly classified into 2 partitions
1. Prediction of stock prices using the LSTM neural network.
2. Dashboard using Plotly dash for stock analysis.

Objectives:

- Processes real-time data thereby permitting the model to be authentic and comprehend live input.
- Provides beneficial feedback on the shares of the company and foresee its elevation and decline concerning the previous situations

Challenge:

Capturing the frequency of stock market changes has always been a key point for investors and investment firms. Investors are very interested in the field of stock price forecasting analysis. To make a thriving investment, numerous investors are anxious to know the future of the stock market.

Our project would help investors, analysts, or anyone inquisitive and curious in investing in the stock market to get an adequate understanding of the future circumstances of the stock market.