Project Proposal

MG301 : Fundamentals of Management

Project Members

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Project Details

Subject : **Fundamentals of Management**

Topic: **Stock Market Prediction**

Overview

1. Finance management is one of the key things we often witness people losing money that is being invested in stocks. We bring the case study of the stock market and how technology can be used that can help us in making a wise decision.

2. The stock market is known for being volatile, dynamic, and nonlinear. Accurate stock price prediction is extremely challenging because of multiple (macro and micro) factors, such as politics, global economic conditions, unexpected events, a company's financial performance, and so on.

3. We will be using machine learning and deep learning techniques to draw a comparative study and will be performing forecasting over a dummy data set.

Analysis

- Analyzing measurable data from stock market activities, such as stock prices, historical returns, and volume of historical trades; i.e. quantitative information that could identify trading signals and capture the movement patterns of the stock market. In our case study we will be using a dummy data set to bring out the quantitative information.
- Through this technical analysis, We will focus on historical data and current data just like fundamental analysis, but it's mainly used for short-term trading purposes.
- Evaluating a company's stock by examining its intrinsic value, including but not limited to tangible assets, financial statements, management effectiveness, strategic initiatives, and consumer behaviors; essentially all the basics of a company.
- Popular technical analysis methodologies include moving average (MA), support and resistance levels, as well as trend lines and channels.

Tools Used:

1. Machine Learning Techniques
2. Deep Learning Techniques
3. Python Programming Language
4. Time Series