

Project proposal Submitted

To

IBM NAAN MUDHALVAN

APPLIED DATA SCIENCE

Submitted by

Bavani E (911721106304)

Janakai v (911721106307)

Yaalini s(911721106040)

Kirubhasini I (911721106013)

Stock price prediction

Bookmark this page

Project Title: Stock price prediction

Problem Statement: Predicting stock prices is a complex task that involves various factors and uncertainties. It often requires the use of advanced machine learning and statistical models.

Data Collection: Gather historical stock price data, as well as relevant financial and economic indicators that may influence the stock price

Solution: solutions for stock price prediction is the application of Recurrent Neural Networks (RNNs), specifically Long Short-Term Memory (LSTM) networks.

PHASE 1: PROBLEM DEFINITION DESIGN THINKING

Stock price prediction, also known as stock market forecasting or stock price forecasting, is the process of using historical and current data to make educated guesses or estimates about the future prices of individual stocks or the overall stock market.

The goal of stock price prediction is to provide insights that investors and traders can use to

make informed decisions about buying, selling, or holding stocks.

Design thinking:

Empathize:

Understand the needs and pain points of various stakeholders, including traders, investors, and financial analysts.

Gather insights into what information and tools they currently use for stock analysis.

Visualization strategy:

Historical Price Trends:

Plot the historical stock price data, including open, close, high, and low prices, on a time series chart.

Use line charts or candlestick charts to visualize price trends over time.

Add moving averages (e.g., 50-day and 200-day) to identify long-term trends.

