CS 6375 Project status report

Project Topic: Stock price prediction using recurrent neural networks

Team members:

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Technique/Algorithm planned to implement:

Stock market is very dynamic and constantly changing, also is complex in nature. We have chosen to implement deep learning models which are better than traditional machine learning models in terms of accuracy. We are implementing Long Short Term Memory RNN, which is a famous algorithm for time series prediction.

Dataset details:

* The dataset we are using is **Google\_Stock\_Prices.csv** (<https://raw.githubusercontent.com/bmounikareddy98/Machine-learning-project/main/Google_Stock_Prices.csv>).
* It has total 6 features such as Date, Opening price, high price, low price, closing price and volume of stocks. There are total 1279 instances.

Coding language / technique to be used

We are using python to design the model. The code will be written on Google Collaboratory.