

Forecasting the stock price is always a challenging task. In this project we would try to predict the price of stocks. For many years considerable research was devoted to stock market prediction. The objective of the project is to study and improve the learning algorithm to predict the stock price.

There is a saying that “The stock market is the story of cycles and of the human behavior that is responsible for overreactions in both directions.” These days stock prices are affected by many factors like company related news, political events, natural disasters ... etc. The fast data processing of these events with the help of improved technology and communication systems has caused the stock prices to fluctuate very fast. Thus many banks, financial institutions, large-scale investors and stockbrokers have to buy and sell stocks within the shortest possible time. Thus a time span of even a few hours between buying and selling is not unusual. So it is important to predict the market concerning the market of Bangladesh as well as the world market. Predicting stock prices is an important task since a reasonably accurate prediction has the possibility to determine the future movement of the stock value of a financial exchange. Accurate prediction of share price movement can lead the investors to make more profit. By building a machine learning algorithm we can predict the stock prices which will lead the investors to greater profits.

I would like to contribute in every possible way as my individual contribution to this project. I believe knowledge is a process that can come with learning new things and ideas. In this project, I want to develop algorithms and work with other reporting stuff.

I don't have much idea about machine learning or related fields. But through online surfing, I think this project will take us at least 7-8 weeks to finish.