

Stock Market Prediction using Machine Learning Algorithms

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Abstract: *Machine learning is effectively implemented in forecasting the stock prices. The objective is to predict the stock prices in order to make more informed and accurate investment decisions. The essence of the issue lies in exactly forecasting the future stock price of the reputed firm, based on historical or past prices, using Recurrent Neural Network algorithm, LSTM-LongShort Term Memory, ANN-Artificial Neural Network, CNN - Convolutional Neural Network. We also used regression as a trial and error method and found the limitations in the case of a non-continuous dataset. The findings of the study would lend a hand to a common investor averting huge losses and optimizing the stockholder investing in beneficial stocks. While predicting the actual prices of a stock is an uphill climb, we can build a model that will predict whether the price will go up or down.*

Keywords: AI, ML, Neural networks, LSTM, Moving Average, Linear regression, CNN, ANN.

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