

# Real-Time Stock Price Prediction

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**Abstract:** *Researchers have been studying different methods to effectively predict the stock market price. Useful prediction systems allow traders to get better insights about data such as: future trends. Also, investors have a major benefit since the analysis give future conditions of the market. One such method is to use machine learning algorithms for forecasting. A number of researchers have come up with various ways to solve this problem, mainly there are traditional methods so far, such as artificial neural network is a way to get hidden patterns and classify the data which is used in predicting stock market. This project proposes a different method for prognosing stock market prices. By this model, users can easily analyse the sales and identify the current stock's profit. Stock market prediction analysis involves the application of various techniques to forecast future price moments and trends of financial, primarily stocks. These techniques are rooted in quantitative analysis, statistical modelling, and machine learning models. The prediction of stock sales is required for Businesses to make decisions and to change market conditions*

**Keywords:** Stock Market Prediction, Machine learning , Feature Engineering, CNN , LSTM(Long Short-Term Memory), Time Series Forecasting, Algorithmic Trading, Market Sentiment Analysis