

# Stock Prediction Webapp Using Python

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**Abstract:** The project's goal is to provide a third-party investment web application for individual investors to use to navigate the stock market. This is accomplished through the application of machine learning and artificial intelligence. Web technology that is streamlit. Several methodologies and models for stock price prediction have been developed .such as dense, feedforward neural networks, recurrent neural networks, basic linear regressions, and so on as well as linear interpolations The model architectures and hyperparameters are automatically optimised. Evolutionary algorithms are used to seek for information. For trend prediction, promising results have been discovered. The undertaking acts as a foundation for making machine learning technology more accessible to the general population in the United States. in the context of looking for investment opportunities It provides the path for new features to be added and tested. In the future, we'll be constructing AutoML models in the financial context..

**Keywords:** LSTM ,ATS, GRU ,ML ,SVM ,EMH ,AI, NN, ARMA, DRL, LMS ,UML, MSE ,RMSE

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