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**ABSTRACT**

This mini project focuses on predicting stock prices using machine learning techniques to assist investors in making informed decisions. The project involves gathering historical stock data, including features such as opening, closing prices, volume, and other relevant market indicators. Various machine learning algorithms, such as Linear Regression, Decision Trees, and Random Forest, are employed to analyze patterns in the data and make future price predictions. The performance of the models is evaluated using metrics such as Mean Absolute Error (MAE) and Root Mean Squared Error (RMSE). By leveraging machine learning, the project aims to improve the accuracy of stock price forecasts, offering valuable insights for stock traders and investors.

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