

AI Based Stock Price Tracker

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Abstract: *The Stock Price Prediction Application helps users forecast stock trends using machine learning (LSTM/GRU models) and real-time news sentiment analysis. By analyzing historical stock data, it predicts future prices, while sentiment scores from news headlines offer insights into market mood. The applications's simple interface, built with Streamlit, lets users enter stock symbols, view predictions, and compare them to historical trends. It also provides trading signals (buy/sell/hold) based on predictions and sentiment. Designed for both beginners and experts, the applications combines technical analysis and market sentiment to support smarter, data-driven investment decisions. No coding skills are required to use this tool.*

Keywords: Stock Price Prediction, Machine Learning (LSTM/GRU), Sentiment Analysis, Financial Forecasting, Trading Signals, Streamlit Application

