

SET-B

Time-Series Forecasting – Stock Prices

Task Overview:

You are provided with a public stock price dataset (e.g., daily closing prices). Your goal is to forecast future stock values.

Requirements:

- Implement a traditional statistical model (e.g., ARIMA)..
- Implement a machine learning / deep learning model (e.g., LSTM or Prophet).
- Compare the performance of different approaches. .
- Use rolling window evaluation to measure forecast accuracy

Deliverables:

Clean and Documented Code/Notebook:

A notebook with preprocessing, model training, and forecasting plots..

Recommendation:

A performance comparison table (e.g., RMSE, MAPE).

Short Report:

A discussion of which model generalizes better and why.

Deployment:-

Deploy The model into Hugging Face Named (DataSynthis_ML_JobTask). Share Us the Link