

AI Sales Forecasting Project

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Summary:

This project builds a sales forecasting pipeline using Prophet. The dataset contains daily sales (synthetic sample included). The dashboard allows uploading CSVs, training the model, and visualizing forecasts and components.

Sample Data (first 10 rows)

Date	Sales
2018-01-01 00:00:00	10166
2018-01-02 00:00:00	9997
2018-01-03 00:00:00	10255
2018-01-04 00:00:00	10540
2018-01-05 00:00:00	10035
2018-01-06 00:00:00	10557
2018-01-07 00:00:00	11123
2018-01-08 00:00:00	10402
2018-01-09 00:00:00	10053
2018-01-10 00:00:00	10378

Suggested Dashboard Architecture

- Frontend: Streamlit (interactive dashboard)
- Backend: Prophet for forecasting (local)
- Data: CSV upload; sample provided
- Outputs: Forecast plots, components, KPI metrics, export CSV