

# 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