

# README.md

## # AI-Driven Stock Prediction using Time Series Analysis

This project focuses on building an AI-driven application for forecasting stock prices using time series analysis techniques.

It involves data preprocessing, exploratory data analysis (EDA), model training, and a simple Flask app for user interaction.

### ## Files

- `App.py`: Flask web application for stock prediction.
- `eda.ipynb`: Exploratory Data Analysis notebook.
- `model\_training.ipynb`: Jupyter notebook for training prediction models.
- `Preprocessing.py`: Python module for data preprocessing.
- `requirements.txt`: List of dependencies.

### ## Instructions

1. Install dependencies using `pip install -r requirements.txt`.
2. Run the app using `python App.py`.