Project: Stock Market Analysis

- **Objective: Analyze stock market trends and predict future stock movements.**

- **Dataset: [Yahoo Finance API](#)**

Project Goals:

Data Collection:

- **Fetch stock price data using yfinance library.**

- **Select a specific stock (e.g., Apple, Tesla) for analysis.**

Data Exploration:

- **Identify historical trends in stock prices.**

- **Analyze the effect of major events on stock prices.**

Data Preprocessing:

- **Convert date formats for time-series analysis.**

- **Handle missing data using interpolation.**

Exploratory Data Analysis (EDA):

- **Visualize stock prices using line charts.**

- **Calculate moving averages and volatility indicators.**

Feature Selection:

- **Identify technical indicators (e.g., RSI, MACD) affecting stock prices.**

Conclusion:

Use insights to guide investment decisions and risk management strategies.