**Usage**

1. **Run the Streamlit app**:

bash

Copy code

streamlit run stock\_market\_dashboard.py

1. **Open the app in your web browser**: Once the app is running, Streamlit will provide a local URL. Open this URL in your web browser to access the Stock Market Dashboard.

**App Interface**

* **Sidebar**:
  + Enter the ticker symbol of the stock you want to analyze (e.g., AAPL for Apple Inc.).
  + Select the date range for the stock data (e.g., 1y for one year).
* **Main Panel**:
  + View the latest stock data for the selected stock.
  + Visualize the closing prices with a line chart.
  + Plot moving averages (10-day, 20-day, 50-day) to observe trends.
  + Display trading volumes with a bar chart.
  + Get summary statistics of the stock data.

**Example**

1. **Enter the Ticker Symbol**:
   * Enter AAPL in the sidebar to analyze Apple Inc. stock data.
2. **Select the Date Range**:
   * Choose 1y to view one year of stock data.
3. **Visualizations**:
   * The main panel will display the closing price, moving averages, trading volume, and summary statistics for Apple Inc.