

UI Development & Agent Integration

Designing the Frontend UI

Nitin Agarwal

Principal Data Scientist

Ex-Microsoft



User Interface Design -Requirements

Designing the Frontend UI

- Designed clean, intuitive wireframes for the dashboard layout
- Integrated key components: Search bar, API key input, static stock display
- Ensured responsive design across desktop, tablet, and mobile devices



User Interface Design -Requirements

Implementing UI with Streamlit

- Built dynamic interfaces using native Streamlit components
- Integrated forms, dropdowns, password fields, and result panels
- Enabled real-time updates with loading indicators and user feedback
- Seamlessly connected frontend with agent-driven backend workflows



User Interface Design

OpenAI API Key ?

.....

Quick Stock Info

Enter ticker for quick view:

AAPL

Current Price

\$201.00

Market Cap

\$3002.10B

P/E Ratio

31.36

Beta

1.21

AI Stock Analysis Platform

Powered by AutoGen AI Agents ?

Enter your query:

Should I invest in MSFT this week?

Run Analysis

Disclaimer: This analysis is for educational purposes only. Always consult with a financial advisor before making investment decisions.

Deploy ⋮

Hands-on