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What if your next big investment decision had an AI advisor by your side—always analyzing, always alert?

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BULLBEARPK – STOCK IMPACT SYSTEM

AI-powered investment advisory platform for Pakistan Stock Exchange with real-time analysis and news integration.

Presented by

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Date

17th September , 2025

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Problem Statement

01. News overload

02. Hard to judge sentiment

03. Lack of Pakistani stock tools

04. No real-time automated support

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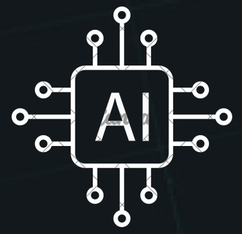
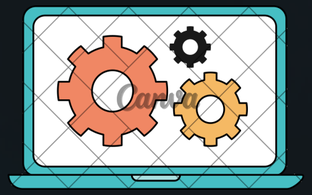
Main Features



AI agentic workflow (LangGraph)



Real-time PSX data scraping

News sentiment

Personalized risk profiling

Recommendations

Portfolio tracking

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Stock Analysis Agents

Stock Analysis Agents

Adds real-time decision-making

Portfolio & Past Investment Checkers

Stock Analysis Agents

Recommendation Agent

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News Agent

Collects financial & stock news

Filters + structures news articles

Sends to sentiment analyzer

Helps investors cut through noise

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Manager Agent

- Coordinates all agents
- Ensures smooth integration
- Produces unified output

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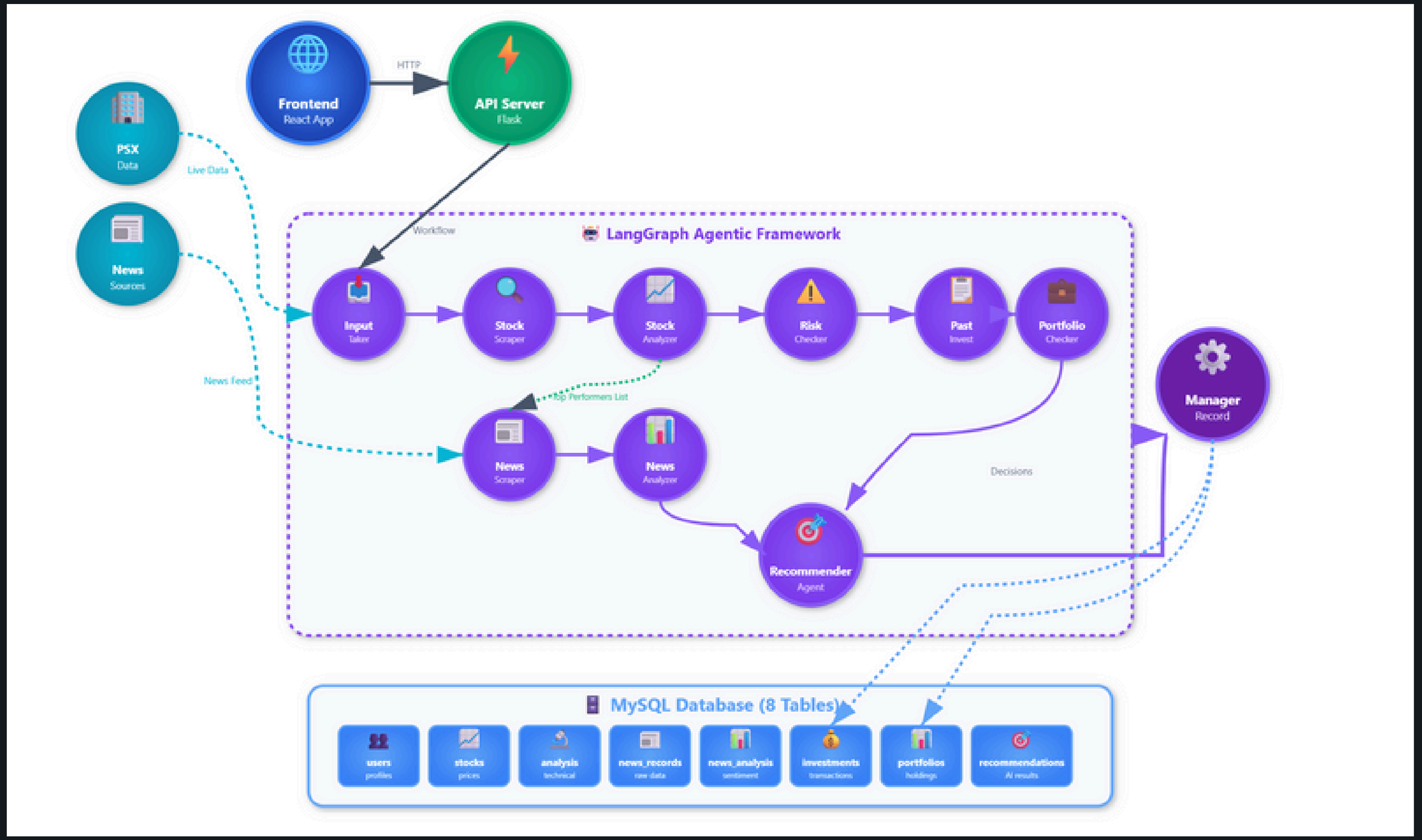
Workflow



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Results & Closing

- Fetched & analyzed Pakistani news
- Live stock analysis + recommendations
- Structured reports (CSV/JSON)
- “From news to insights – empowering smarter investment decisions.”

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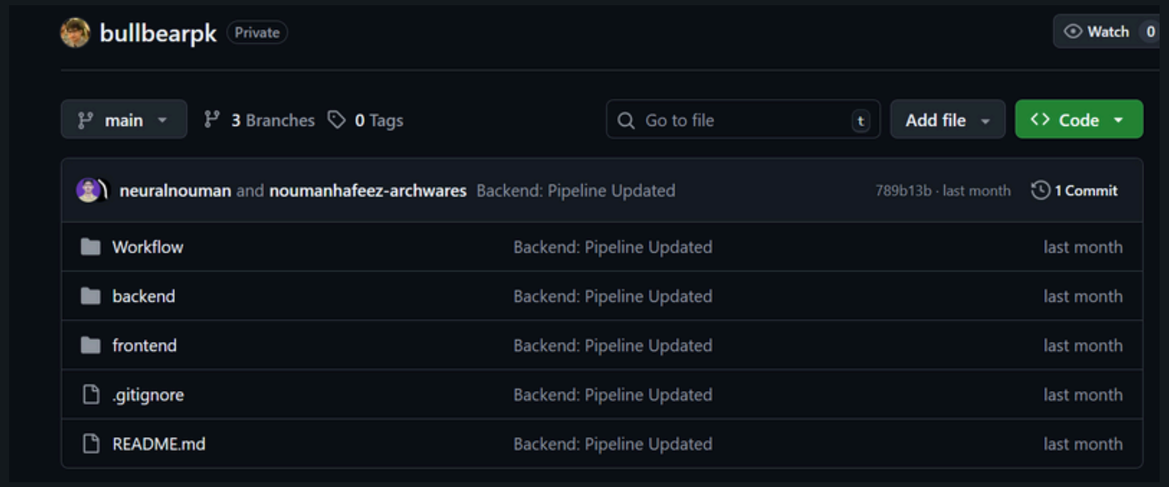
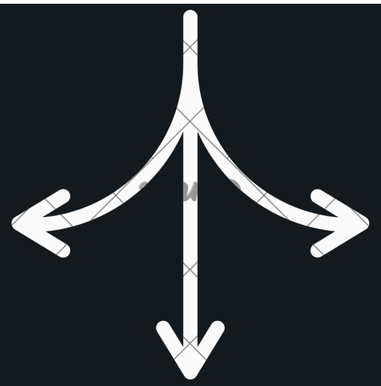
GitHub Repository



https://github.com/noumanic/bullbearpk.git



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neuralnouman

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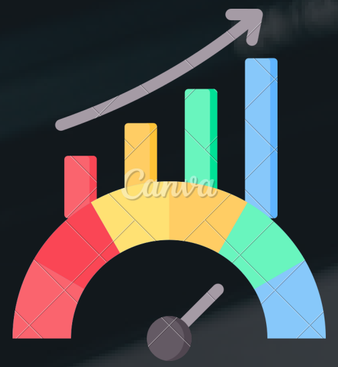
System Limitations

Data Quality & Reliability

Scalability

Security & Compliance



Performance

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THANK YOU!