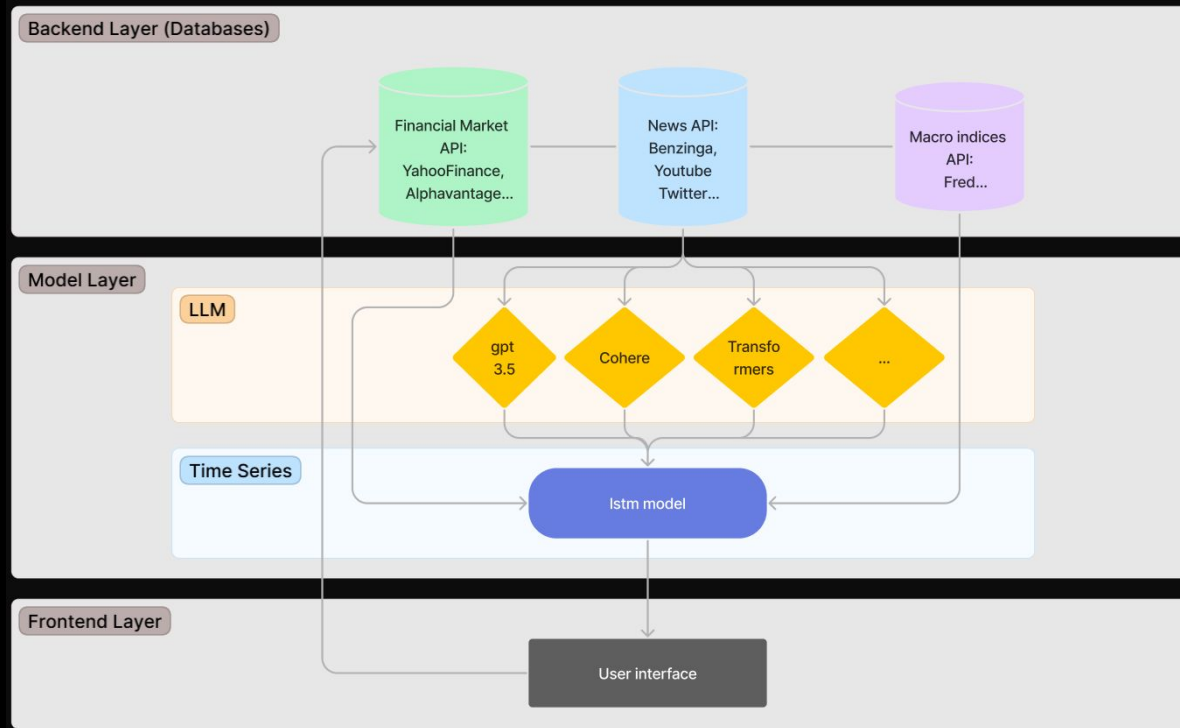# PREDICT MARKET TREND USING OUR POWERFUL AI

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STRUCTURE DESIGN

LLM Comparison
Based on Sentiment Classification

Model	Comment
Cohere - Generate	Generally reliable, although occasional discrepancies may arise.
Cohere - Classify	User-friendly, may face challenges in sentiment classification with limited training data (e.g., 30 examples).
Gpt 3.5 - davinci	Highly accessible, offers adjustable parameters for enhanced input and output control.
Gpt 3.5 - turbo	Demonstrates comparable performance to davinci, with the added benefits of speed and cost.

Application Demo

FUTURE DEVELOPMENT

- ❏ Use cloud services to host the website and establish an automated pipeline for regular updates of the latest market data. This will ensure that users have access to real-time information and enhance the overall user experience.

- ❏ Develop and train fined-tuned Transformers models specifically tailored for market analysis. Fine-tuning these models with domain-specific data will help maximize their accuracy and make them more effective in predicting market trends and outcomes.

- ❏ Expand the range of data sources by leveraging web scraping tools to gather additional sentiment and market signal features. By incorporating a broader range of information, the models can capture more comprehensive insights and improve the accuracy of market predictions.

- ❏ Explore ensemble modeling techniques to combine predictions from multiple models or approaches. Continuously monitor and evaluate the model's performance and regularly update and retrain the models as new data becomes available. This will ensure that the models remain accurate and adaptive to changing market conditions.

- ❏ Integrate this market analysis system with trading APIs to support strategy development, backtesting, and automated trading.

THANKS!

Do you have any questions?

github.com/yaoyzz/Finance-LLM