

FIN SIGHT

YOUR PERSONAL FINANCIAL ADVISOR

Group : Code Breakers
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Problem Statement

Managing personal and business finances is difficult for non-experts.

- Lack of financial knowledge
 - Time-consuming processes
 - Confusing investment options
 - No real-time, personalized advice
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- Managing finances and making smart investment decisions is challenging for non-experts like students, freelancers, and small business owners. They lack tools that offer real-time advice, track expenses, and analyze market trends.

Solution

- We aim to build an AI-powered Finance Manager Bot with Investment Analysis that helps users
 - Track and manage finances easily
 - Get personalized financial and tax advice
 - Analyze and predict investment opportunities using real-time news, trends, and AI
 - Visualize their portfolio with clear insights
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- AI Chatbot for financial help
- Expense tracking & budgeting
- News + social media-based investment analysis
- Real-time investment predictions
- Tax & compliance reminders
- Visual portfolio insights

Challenges

1) AI Integration

Integrating external AI APIs for chatbot and financial analysis required managing data formats, API limits, and response handling.

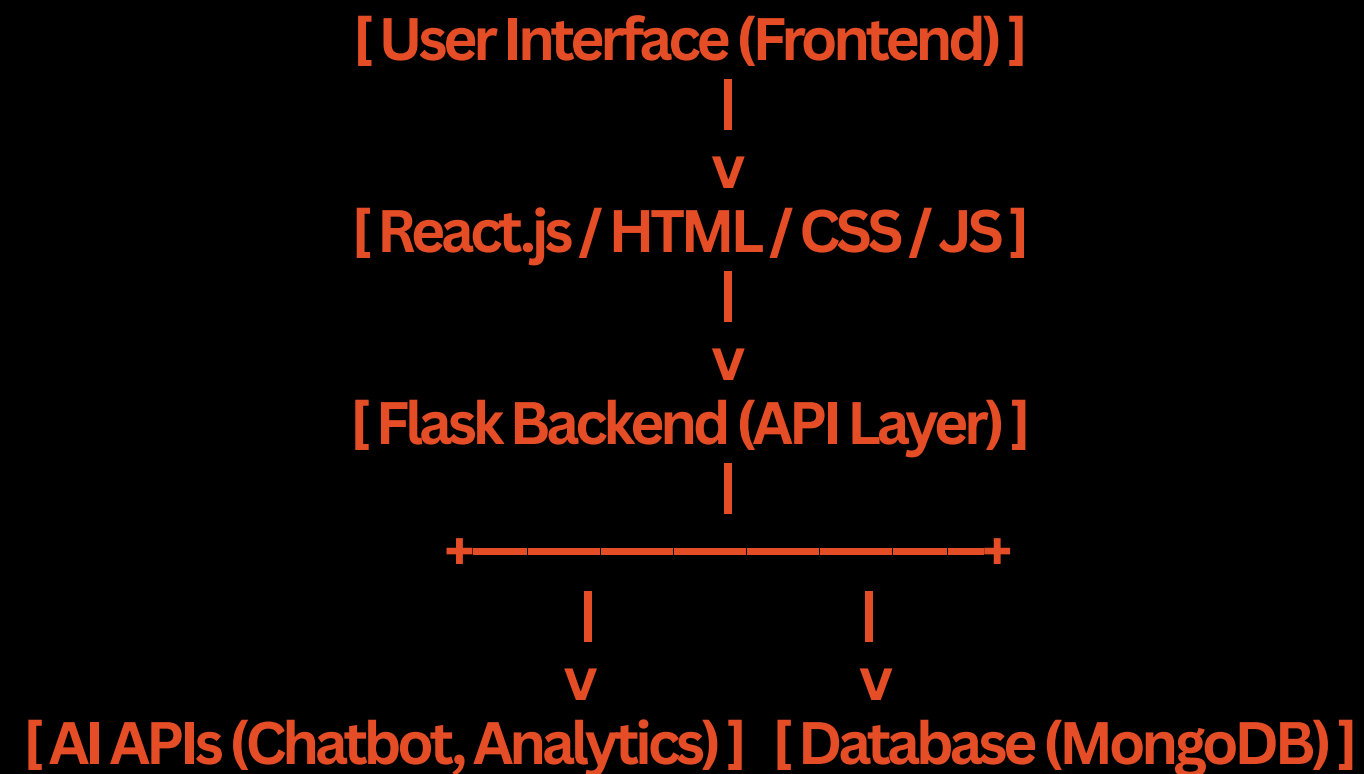
2) Real-Time Data Handling

Ensuring real-time updates and insights (e.g., for stock tracking or expense logging) added complexity to data flow and optimization.

3) Time Constraints

Implementing multiple modules like chatbot, calendar, and dashboard in a short timeline was a big challenge

System Architecture



1. Frontend (React.js)

- Handles user interaction and UI rendering. Built using React for a smooth, responsive experience.

2. Backend (Flask)

- Acts as the bridge between frontend and services. Handles logic, routing, and API calls.

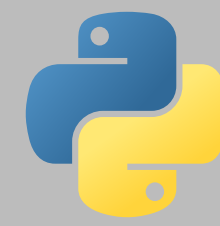
3. AI APIs

- Integrated with chatbot and analytics tools for features like financial advice, categorization, and predictions.

4. Database (MongoDB)

- Stores user data, transactions, chat history, and insights securely in a scalable NoSQL format.

Technology stack



python™



Finsight is built using a modern tech stack including HTML, CSS, JavaScript for the frontend, React.js for a dynamic UI, and Flask for the backend. We integrate AI APIs for smart features and use MongoDB for secure, scalable data storage.

Future Scope

We plan to integrate advanced AI for smarter financial insights and personalized advice. The platform will expand to mobile apps and support voice commands for ease of use. Features like bank account linking, portfolio tracking, and secure user logins will be added. These upgrades aim to make financial management smarter, faster, and more accessible for everyone.

Git Hub link : <https://github.com/JayBhandarkar/Finsight.git>

Thank You
