Problem Statement and Team Details

Problem Statement: CFO Helper - Bringing Clarity to Complexity

Team Name: Code Crafters

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Repository link: https://github.com/Akshayamanda1310/Hack-With-Hyderabad-Code-Crafters-.git

Problem and Solution

Problem:

People struggle with forecasting:
• Can I survive 6 months if I hire more?
• What if I raise prices 10%?

Managing finances is a major challenge for startups, student events, and small businesses. Traditional tools like Excel are either too basic or too complex, and they fail to answer "what-if" financial scenarios.
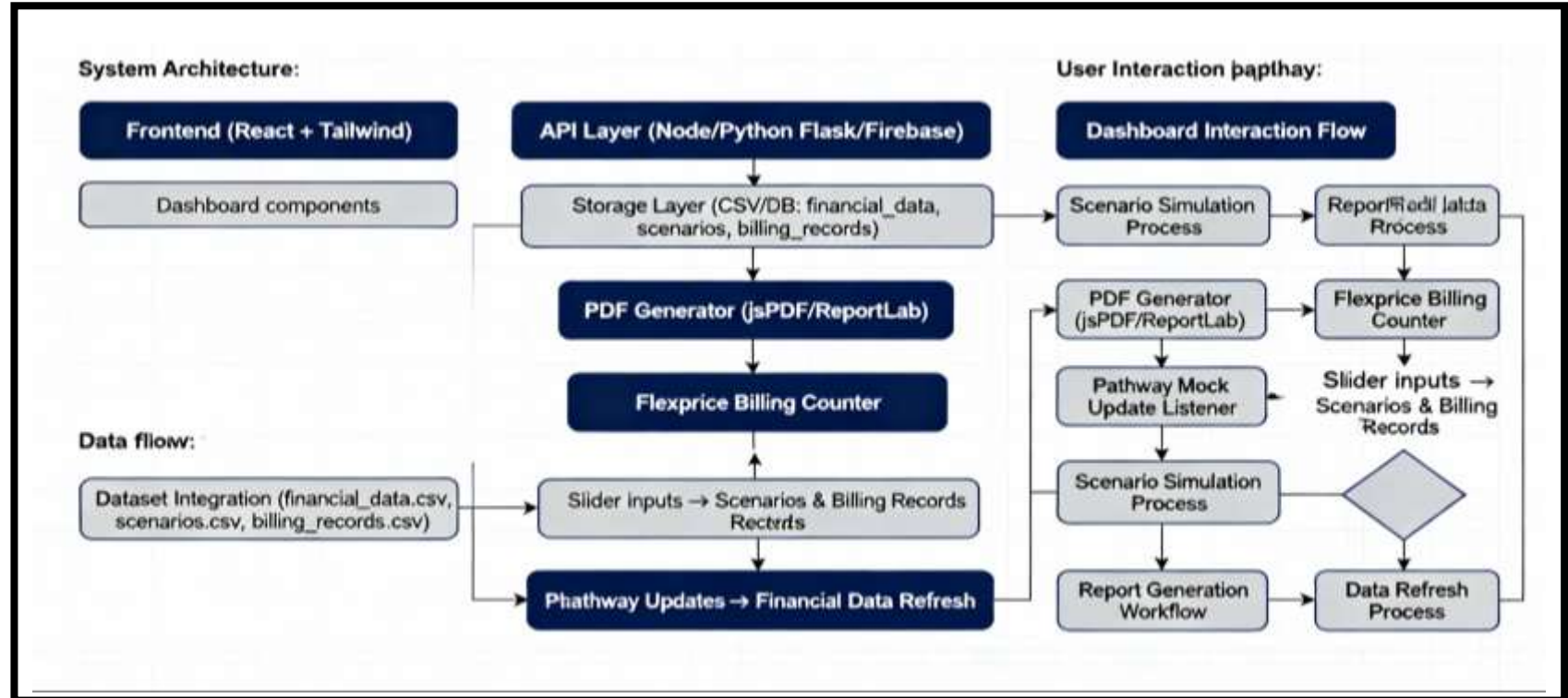
Solution:

CFO Helper Agent:
• Interactive sliders (hiring, spending, pricing).
• Instant financial impact shown in charts.
• Shareable mini reports.
• Flex-price: pay per simulation/report.
• Pathway: live financial data.

Traditional Financial Tracking

Modern CFO Helper Dashboard
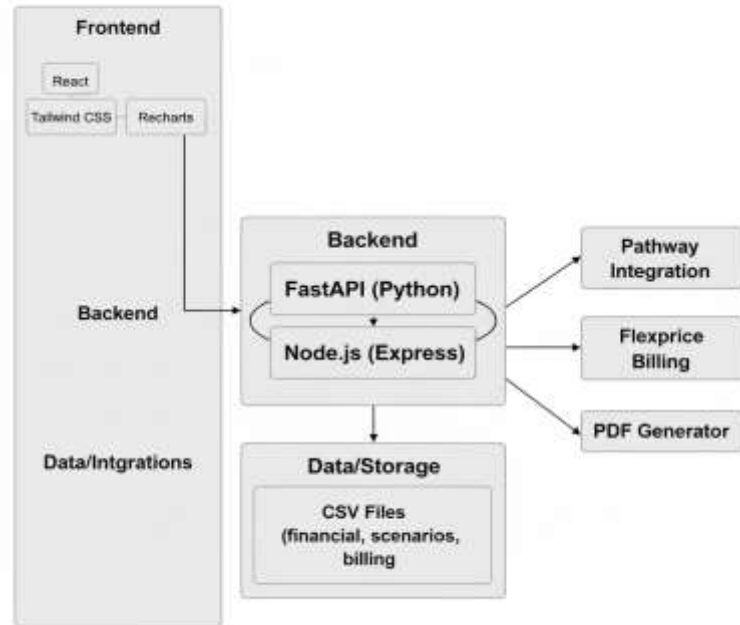
Methodology & Implementation

Technology Used

Frontend: We built the user interface using React and Tailwind CSS for a fast, responsive, and clean design. We used Recharts to generate the clear, dynamic charts.

Backend: The logic that handles all the calculations is powered by a mock API built with either FastAPI (Python) or Node.js.

Data & Integrations: The backend interacts with our mock CSV files which act as our database. It also handles the connection to the Pathway Integration (for data updates), a PDF Generator (for reports), and the Flexprice Billing system (to track usage).
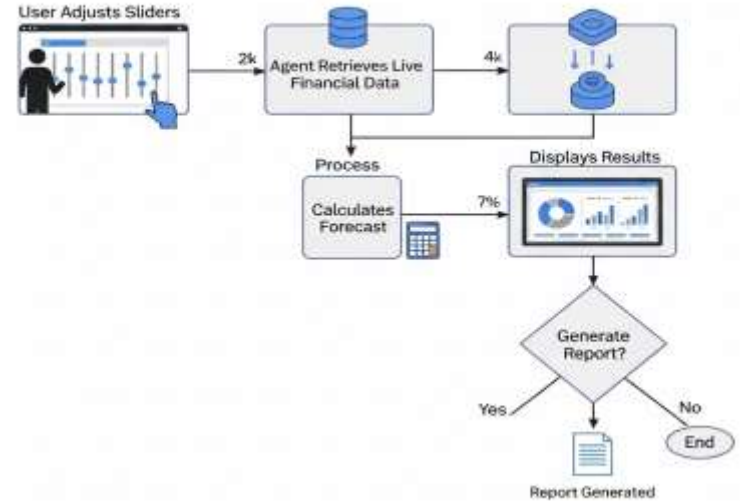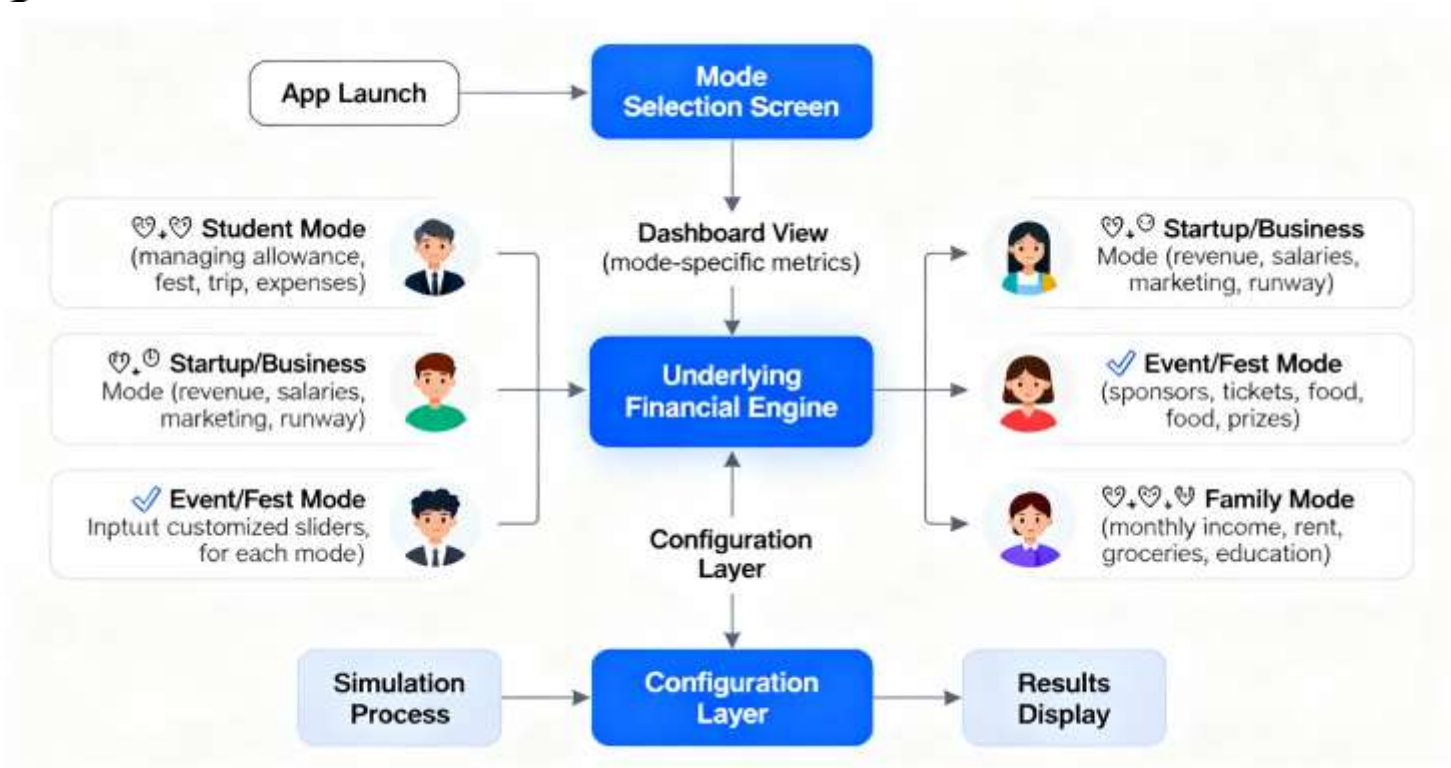

CFO Helper Prototype Architecture

Frontend
- React
- Tailwind CSS
- Recharts

Backend
- FastAPI (Python)
- Node.js (Express)

Pathway Integration

Flexprice Billing

PDF Generator

Data/Storage
- CSV Files (financial, scenarios, billing)

Data/Intgrations

Flowchart & Supporting Images

Feasibility and Market Use

Conclusion

CFO Helper transforms complex financial "what-if" questions into clear, actionable insights. By combining **Pathway** for live data and **Flexprice** for usage-based billing, it delivers accurate forecasts, easy-to-share reports, and fair pricing. It is a practical, scalable, and user-friendly **finance co-pilot** for startups, student events, and small businesses.

After Using
CFO Helper