



FinCity

CBRE AND CAPITALONE CHALLENGE

Vision and Purpose

MAKING FINANCE FEEL FUN AND INTUITIVE THROUGH CITY-BUILDING GAMEPLAY.

FinCity Architect is our personal financial dashboard reimagined as a vibrant virtual city. Each district—from Investments to Spending and Savings—reflects our financial health. With FinCity Architect, we make smart decisions and build a resilient future—all while enjoying the journey.



What it Does

- Converts financial data into a buildable virtual city
- Visual alerts for investment risks using real-time news sentiment (CBRE challenge)
- Simulated spending insights with Blueprint rewards (Capital One challenge)
- Interactive chatbot assistant for financial guidance

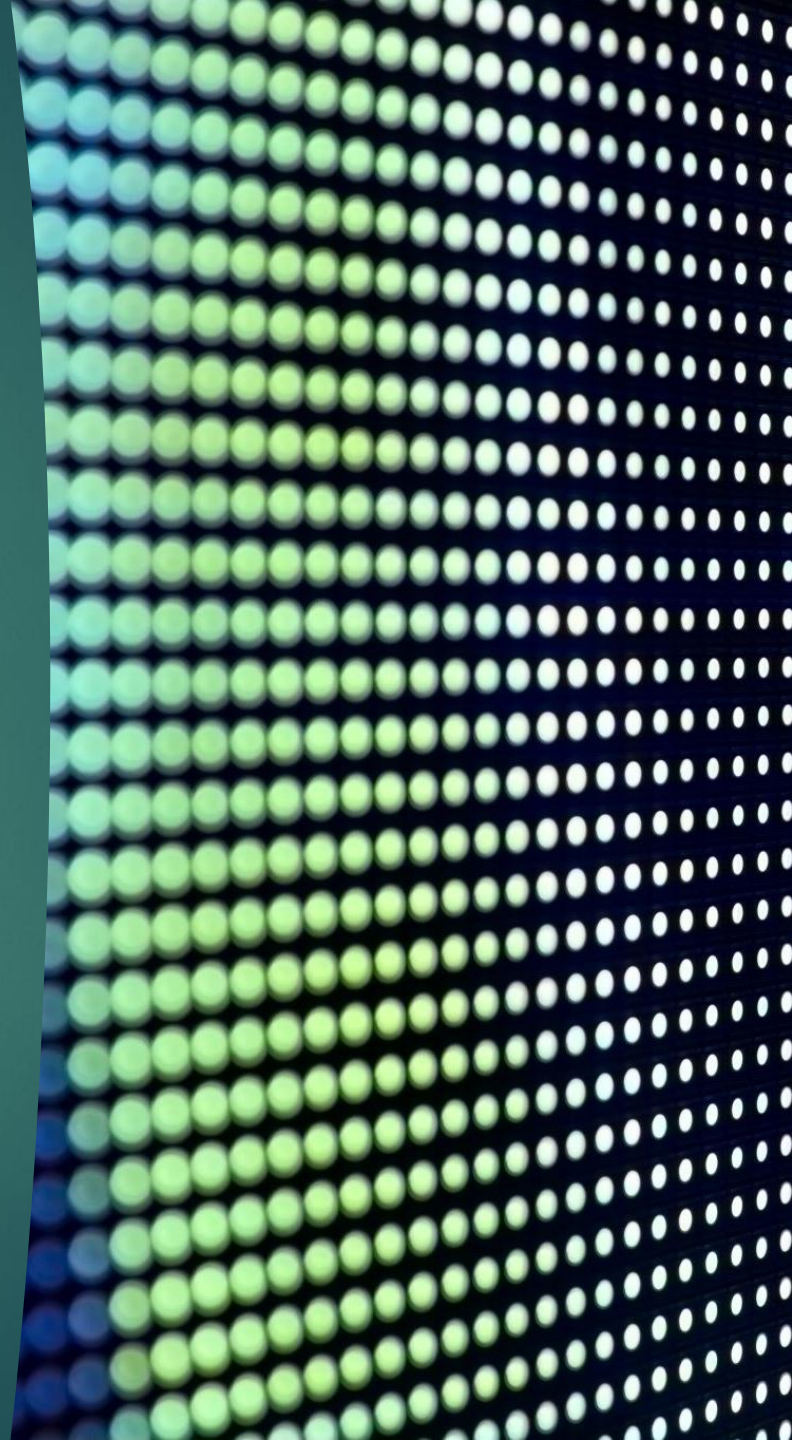
Tech Stack

Frontend: React, CSS,
JavaScript, Node.js

UI Library: Material UI

API: Alpha Vantage (news
sentiment)

Backend: Flask; Simulated
spending data for analysis



Accomplishments



- Successfully integrated CBRE and Capital One challenges
- Live city updates from real-time news sentiment
- Innovative visualization and gamification.

Challenges

- API Rate Limits and Data Variability
- Balancing financial complexity with simplicity
- State management complexity
- Error handling and fallbacks



What's Next



Budgeting Module as a future enhancement



More data sources for deeper investment insights



Add user accounts and REIT tracking



Explore AR overlay concept for the city



THANK YOU!