FinStocks

We are pariticipating in a hackathon and this is our problem statement

PS-02: The 'Bharat' Financial Intelligence Layer

Track / Theme	FinTech / Inclusion	Difficulty	Hard (1.40x)
What to Build	An AI platform that acts as a 'Medical Report for Money' for Indian retail investors: parse bank/demat statements, compute a portfolio health score, and deliver simple Hinglish updates only for user-held stocks.		

Background / Context
Many Indian retail investors, especially in Tier-2 cities, buy stocks based on tips and struggle to interpret complex financial news. They lack a simple way to understand portfolio concentration, risk, and what news actually matters to them.

Core Challenge
- Portfolio Doctor: Users upload a Bank/Demat PDF. Parse holdings/transactions and compute a Portfolio Health Score.

- Overlap & Risk Checks: Identify concentration (single stock/sector), duplicates across funds, and basic risk signals.

- Vernacular News Agent: Track only the user's holdings and push short Hinglish summaries in real time.

- Safe-by-design: Provide intelligence and summaries, not personalized buy/sell advice.

Must-Have Requirements
- PDF parsing pipeline (even if limited to 1-2 statement formats) with a clear extraction output.

- Health Score with transparent factors (example: Diversification, Volatility proxy, Overlap, Cash exposure).

- News summarization flow that filters news by user's stocks and converts to simple Hinglish.

- A user-facing interface (web dashboard or Telegram bot) that shows the score and explanations.
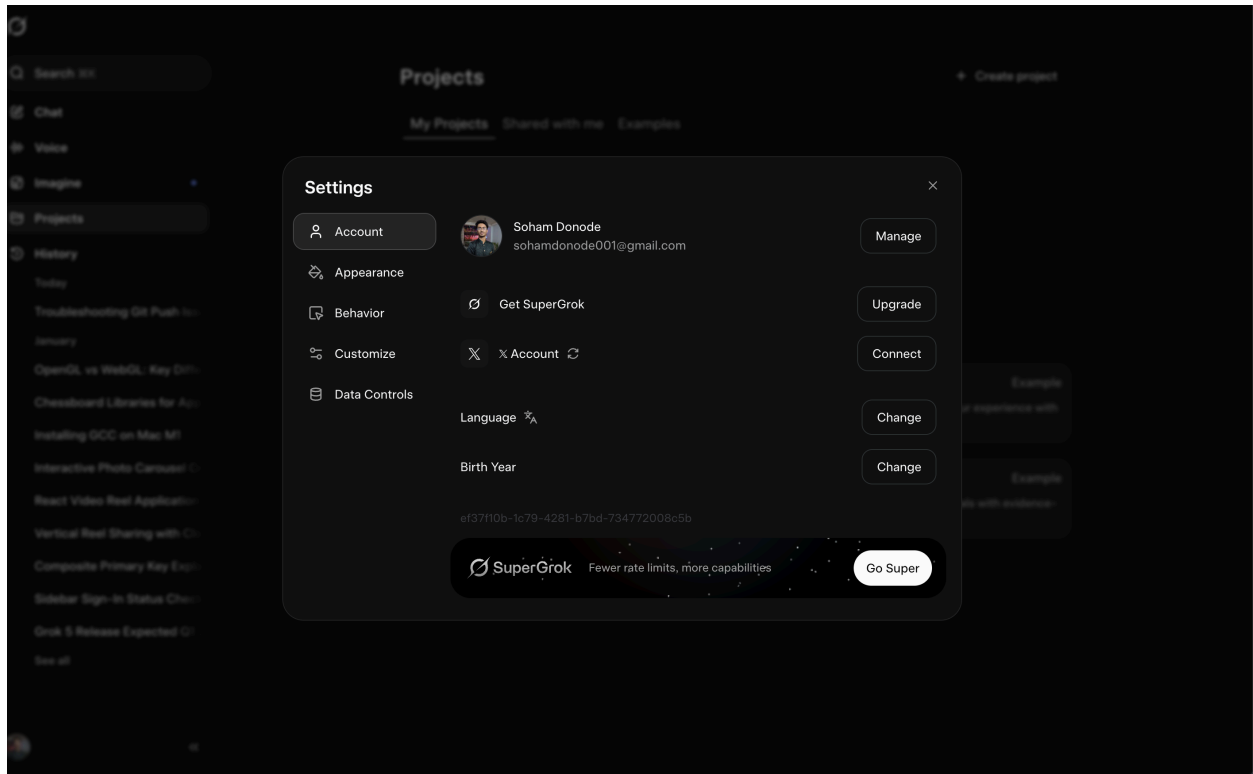
Suggested Tech Directions
- Python backend for PDF parsing + data processing.

- Workflow automation + LLM for summarization.

Deliverables
4. Working MVP: Upload PDF -> Extract -> Score -> Explain -> Push/Show updates.

5. Documentation: supported statement format(s), assumptions, and how you avoid 'advice'.

6. Demo: show at least one end-to-end flow with a sample statement.

We are building a web dashboard

Take ui inpiration from this and be in harmoty with tailadmin :

try to make the ui like the image shown above

The flow : Make a beautiful landing page on the "/" route then through a call to acation button go to sign up page .. if already signed up allow user to sign up thoruh email .. which is impolemented in clerk : otherwiser which cliked on sigin up Make the user enter details in a 3 slides component with a progress bar on top wihch whows 1/3 when on firstr on 3/3 on finishing all..i am implement it thorugh clerk and react -ts ;

in that sign up component make it hoever like the ui insipiration i gave you. Those 3 slides will have form asking for user data like name , age , pan , phn no . addr ,

incoome , expenditure , marital status , children and all , and at last give two option one to manually add stocks which you hld with their quantity or upload a bank statement / stock app dashboard screenshot to fetch the current holding .. Also give an option to write more conent about user in a textbox where user can write about his lifesytle.

also integrate supabase to store the the given information whiile sign up!

also change all the occruances of tailadmin logo or text to FinStocks

also check out the python backend becuase at the end the frontent is goint to connect to python backend

make it as beautiful and eye pleasing as possible