**TIMELINE**

**Dec 27-30**

* **Shravani (Backend):**
  + Complete Flask tutorials and create sample routes.
  + Research APIs for bank integration (if possible) or manual upload functionality.
* **Soumya (Design & Research):**
  + Finalize visualization libraries (Chart.js, D3.js, Plotly).
  + Complete the Figma design for the website.
  + Begin learning React.js basics.

**Dec 31 - Jan 1 (Team Unavailability)**

* Everyone:
  + Likely traveling or packing.

**Jan 2-3**

* **Shravani (Backend):**
  + Focus on Flask basics and refine sample routes.
  + Research API handling for bank integration or manual upload features.
* **Twinkle (Frontend):**
  + Start learning React.js basics on Jan 3.
* **Soumya (Design & Research):**
  + Assist Shravani with bank integration research.
  + Continue learning React.js.
  + Research a bit about frontend-backend integration

**Jan 4-6 (Frontend-Backend Integration Basics)**

* **All Team Members:**
  + Learn the basics of frontend-backend integration:
    - Use **Axios** or **Fetch API** for calling backend APIs.
    - Practice sending GET and POST requests from the frontend to the backend.
  + Build a small example app to test React and Flask integration (e.g., simple login form).

**Jan 7-9 (Integration First Steps)**

* **Shravani (Backend):**
  + Set up SQLite for user data and financial records.
  + Build and test backend routes for expense tracking or manual upload APIs.
* **Twinkle & Soumya (Frontend):**
  + Connect React frontend to Flask backend for initial routes (e.g., login/signup).
  + Use Postman for API testing before integration and debug frontend-backend calls.

**Jan 10-12 (Intermediate Integration)**

* **Shravani (Backend):**
  + Continue developing backend routes for advanced features (financial forecasting).
  + Ensure routes return data in a JSON format suitable for React.
* **Twinkle & Soumya (Frontend):**
  + Connect React components to the backend for financial data and visualizations.
  + Test API integration with sample data and validate frontend rendering.

**Jan 13-15 (Feature Expansion & Testing)**

* **Shravani (Backend):**
  + Add routes for goal-based recommendations and ensure seamless API functionality.
  + Test backend responses thoroughly.
* **Twinkle & Soumya (Frontend):**
  + Build and connect additional React pages (e.g., Dashboard).
  + Debug and optimize frontend-backend interactions.

**Jan 16-20 (Full Integration & Debugging)**

* **All Team Members:**
  + Conduct full frontend-backend integration for all key features:
    - Expense tracking.
    - Manual uploads.
    - Financial forecasting and recommendations.
  + Test end-to-end workflows and debug any inconsistencies.
  + Ensure proper data flow and error handling.

**Jan 21-23 (Final Testing & Preparation)**

* **Shravani (Backend):**
  + Finalize all backend routes and fix integration issues.
* **Twinkle & Soumya (Frontend):**
  + Test UI with backend APIs and fine-tune design elements.
  + Prepare for hackathon deployment and demo.

**Hackathon Day (Jan 24-25: Stock Market Feature)**

* **Shravani (Backend):**
  + Create APIs for stock market data retrieval.
* **Twinkle & Soumya (Frontend):**
  + Build the stock market feature UI and integrate it with the backend.
  + Test and debug in real-time.