Interactive Resume Project Breakdown (MVVC Pattern)

Step 1: Set Up Your Project

- Initialize a new React project using Vite or Create React App.
- Install necessary dependencies like React Router and Tailwind CSS for styling.
- Set up the project structure using the MVVC pattern.

Step 2: Define Your Data Model (M)

- Create a JSON or TypeScript interface to define your resume data:
- interface Resume {
- name: string;
- title: string;
- about: string;
- experience: { company: string; role: string; duration: string; description: string }[];
- skills: string[];
- education: { school: string; degree: string; year: string }[];
- contact: { email: string; phone?: string; linkedin?: string };
- }
- Store the resume data in a JSON file or a database.

Step 3: Implement the ViewModel (VV)

- Create a ViewModel layer that:
    - Fetches and formats the resume data.
    - Filters or sorts experiences and skills if needed.
    - Manages UI interactions (like theme toggles or expanding sections).

Step 4: Build the View (V)

- Create React components for different sections:
    - Header (name, title, contact)
    - AboutMe (short bio)
    - Experience (company roles)

    - Skills (tech stack)
    - Education (degrees)
- Use Tailwind CSS or a component library like ShadCN for a clean UI.

Step 5: Implement the Controller (C)

- The controller will handle:
    - Fetching data from local JSON or an API.
    - Managing state for dynamic interactions.
    - Handling user actions (e.g., theme switch, download PDF).

Step 6: Add Interactivity

- **Dark Mode Toggle** (Save user preference in localStorage).
- **Download Resume as PDF** (Use libraries like react-to-print).
- **Animations & Transitions** (Framer Motion for smooth effects).

Step 7: Deploy & Test

- Optimize performance (lazy loading images, caching data).
- Deploy on **Vercel** or **Netlify**.
- Ensure responsiveness for mobile devices.