**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.