

## ***AI Resume Builder - Final Project Report***

### ***1. Introduction***

Creating a well-structured resume is often a challenge for students and job seekers, especially when they lack access to design tools or guidance. The AI Resume Builder addresses this issue by offering a smart, user-friendly platform where users can securely log in, create, edit, and preview resumes online. It integrates authentication, database-backed storage, and resume customization features, making it an ideal tool for aspiring professionals.

### ***2. Abstract***

The AI Resume Builder is a full-stack web application that simplifies the resume-building process. It provides secure user authentication, seamless resume creation, and real-time editing capabilities. The user interface is responsive, intuitive, and scalable, making it ideal for creating professional resumes.

### ***3. Tools Used***

- React.js + Vite: Frontend development
- Tailwind CSS: UI Styling
- Clerk: Authentication
- Strapi: Headless CMS
- Axios: API integration
- Git & GitHub: Version control
- GitHub Codespaces: Cloud IDE
- UUID: Unique resume IDs

### ***4. Steps Involved in Building the Project***

- Initialized a Vite + React project
- Installed Tailwind CSS and Clerk
- Developed components: Home, Dashboard, AddResume, EditResume, ViewResume

- Created Strapi content-type: user-resume
- Integrated frontend with backend APIs using Axios
- Deployed backend to Strapi Cloud
- Tested and deployed frontend via GitHub Codespaces

### **5. Conclusion**

This project helped build hands-on knowledge of full-stack web development. With features like multi-resume

support, secure login, and user-friendly interface, it solves real-life challenges faced by users. It is scalable

for future improvements such as AI recommendations and resume export.

### **6. Future Scope**

- AI-based resume suggestions
- Export to PDF
- Integration with job platforms (LinkedIn, Naukri)
- Template customization features

### **7. Acknowledgements**

I would like to thank my mentors, the open-source communities of Clerk and Strapi, and the development

documentation teams for their support.

### **8. Candidate Details**

Name: Jaividhyarthi Vivekanand

Email: jaividhyarthivivekanand@gmail.com

Submission Date: June 22, 2025