

# Business Requirement Document (BRD)

## Project Title: AI Intelligent Job Seeker’s Assistant

### 1.Project Objective

The objective of this project is to develop an Intelligent Job Seeker’s Assistant that helps users efficiently manage their job applications. The system will assist in creating optimized resumes, tailoring cover letters, organizing documents, analyzing job posts, and tracking overall job search progress — making the process faster, smarter, and better.

### 2. Proposed Solution

To simplify and enhance the job search journey, we propose a smart web application with the following key features:

- AI Resume Builder: Create professional, ATS-friendly resumes.
- Cover Letter Crafter: Instantly generate personalized cover letters.
- Job Post Analyzer: Extract important skills and suggest optimizations from job descriptions.
- Secure Document Vault: Safely store resumes, cover letters, and certificates.
- Resume Progress Tracker: Monitor job applications and interview stages.
- Skill Gap Finder: Identify missing skills and recommend upskilling.

### 3. Scope of Work

- Develop a responsive frontend using React and Tailwind CSS.
- Implement a backend server using Node.js and Express.js.
- Host the application on Vercel.
- Integrate AI functionalities using DeepSeek and Clad AI.
- Develop a clean,user-friendly based on modern design principles.
- Implement secure user authentication for personalised user experience.
- Support multiple professional resume templates for users to choose from.
- Provide real-time AI suggestions during resume and cover letter creation.

### 4. Key Features

Feature	Description
AI Resume Builder	Create and optimize resumes tailored to job postings.
Cover Letter Crafter	Generate smart, customized cover letters instantly.

Job Post Analyzer	Analyze job descriptions for required skills and keywords.
Secure Document Vault	Store and manage important documents securely.
Resume Progress Tracker	Track status of applications and interviews.
Skill Gap Finder	Suggest necessary skills for targeted roles and ways to acquire them.

## 5. Target Users

- Job Seekers
- Students and fresh graduates
- Professionals seeking career transitions

## 6. Technology Stack

- Frontend: React, Tailwind CSS
- Backend: Node.js, Express.js
- Hosting: Vercel
- AI Integration: DeepSeek, Clad AI

## 7. Deliverables

- Fully functional web application
- Responsive and user-friendly UI
- Secure backend server
- AI-powered assistance features
- Deployed application on live hosting

## 8. Timeline

Phase	Duration
Requirements Gathering	3hrs
Design and Planning	5hrs
Frontend Development	1 day
Backend Development	1 day
Testing and Deployment	1 Day

9. Risks and Mitigations

Risk	Mitigation Plan
AI integration complexity	Choose reliable APIs (DeepSeek, Clad AI) and test early.
Resume formatting inconsistencies	Standardize templates and rigorous UI testing.
Hosting downtime	Use stable hosting platform (Vercel) and backups.

10. Conclusion

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