

# Functional Requirement Document (FRD) - AI-Powered Career & Education Hub

## Module 1: AI Resume & Career Assistance

- FR 1: Users can register and log in to access career assistance tools. ✓
- FR 2: The system should allow users to upload resumes for AI-powered analysis. ✓
- FR 3: Users can generate a cover letter based on a job description. ✓
- FR 4: Users can receive resume feedback, including missing skills and ATS compatibility. ✓
- FR 5: The system should provide a career pathway recommendation based on the user's background.

## Module 2: Job & Scholarship Finder - sng

- FR 1: Users can browse a list of recommended jobs and scholarships.
- FR 2: The system should allow users to filter jobs/scholarships based on industry, category, and location.
- FR 3: Users can search for jobs and scholarships by keywords (e.g., 'Data Scientist', 'Harvard Scholarship').
- FR 4: Users can save and apply for jobs/scholarships directly from the platform.
- FR 5: The system should send personalized alerts when new jobs/scholarships match the user's profile.

## Module 3: An AI-Powered PDF Search Engine - GEMINI API - X

- FR 1: Users can upload PDF documents (e.g., research papers, books, resumes).
- FR 2: The system should allow users to search within PDFs for specific keywords.
- FR 3: Users can receive AI-generated summaries of uploaded documents.

- FR 4: The system should highlight key insights from research papers.
- FR 5: Users can download and share the processed document results.

## **Module 4: Resume & Portfolio Management - Dashboard - sup**

- FR 1: Users can create, edit, and delete resumes.
- FR 2: Users can store and manage multiple resumes and portfolios.
- FR 3: Users can upload projects, certifications, and achievements in a portfolio.
- FR 4: The system should allow profile customization with career interests and skills.
- FR 5: A summary of the user's resume and portfolio should be displayed on their profile.

## **Module 5: Community & Discussion Forum - sup**

- FR 1: Users can post and reply to career-related discussions (e.g., job market trends and application tips).
- FR 2: Users can ask career-related questions
- FR 3: The system should allow users to review and rate universities, courses, and scholarships.
- FR 4: Users can upvote or downvote reviews and answers.
- FR 5: Users can bookmark useful discussions and reviews.

## **Module 6: Application Tracking & Notifications**

- FR 1: Users can track the status of their job and scholarship applications (e.g., applied, under review, rejected).
- FR 2: The system should allow users to set reminders for application deadlines.
- FR 3: Users can receive email and in-app notifications for new job postings or scholarship openings.
- FR 4: The system should display a dashboard overview of all active applications.
- FR 5: Users can mark an application as successful and share their experience.

## **Module 7: Resource Library & Career Guides - FULL BACKUP**

- FR 1: Users can access resume and cover letter templates.
- FR 2: The system should provide career guides on job search, resume building, and interview preparation.
- FR 3: Users can read scholarship application tips and study guides.
- FR 4: The system should provide job interview tips and common questions.
- FR 5: Users can download eBooks and study materials for career growth.

Tech Stack: Next JS

Language: Typescript

DB: Postgres - NEON DB

File and Image - Firebase / Supabase

ORM: prisma