

# ■ Daily Task Plan – AI Career Mentor Website

## Day 1 – Setup & Project Structure

- Create root folder ai-career-mentor.
- Initialize client (React) and server (Node/Express).
- Install dependencies: Client (react-router-dom, axios, tailwind/bootstrap), Server (express, mongoose, cors, dotenv, jsonwebtoken, bcryptjs, multer).
- Setup concurrently for running client & server together.

## Day 2 – Backend Setup

- Setup MongoDB connection (config/db.js).
- Create User model (name, email, password).
- Setup server.js with Express, JSON parsing, and CORS.
- Test DB connection with Postman.

## Day 3 – User Authentication (Backend)

- Create authController.js (register, login).
- Hash passwords with bcryptjs.
- Generate JWT tokens on login.
- Setup authRoutes.js.
- Test APIs in Postman.

## Day 4 – User Authentication (Frontend)

- Create signup & login pages.
- Connect frontend to backend auth APIs.
- Store JWT in localStorage.
- Implement protected routes in React.

## Day 5 – Resume Upload (Backend)

- Install & configure multer for file uploads.
- Setup resumeRoutes.js & resumeController.js.
- Allow PDF/DOCX upload & store in uploads/.
- Write a basic resumeParser.js (extract text).

## Day 6 – Resume Upload (Frontend)

- Create Resume Upload UI (file input).
- API call to backend to upload file.
- Show uploaded filename/status to user.

## Day 7 – Manual Skills Input (Frontend + Backend)

- Create a form for entering skills manually.

- Store skills in MongoDB under user profile.
- Update User model with skills: [String].

## **Day 8 – AI Integration (Backend)**

- Setup config/openai.js (or any AI API like Gemini).
- Create aiController.js.
- Implement endpoints: /api/ai/feedback, /api/ai/jobs, /api/ai/learning.

## **Day 9 – AI Feedback (Frontend)**

- Create dashboard page.
- Call AI API for Strengths & Weaknesses, Suggested Job Roles, Recommended Skills.
- Show results in cards/tabs.

## **Day 10 – Job Suggestions UI**

- Create Job Suggestions page.
- Display AI-generated job roles in list format.
- Add Save Job Role button to store in DB.

## **Day 11 – Skill Gap Analysis UI**

- Create Skill Gap Analysis section.
- Display missing skills in highlighted format.
- Suggest learning path with step-by-step guidance.

## **Day 12 – User Dashboard**

- Build a personalized dashboard.
- Sections: Resume, AI Feedback, Job Suggestions, Learning Path.
- Add navigation between pages.

## **Day 13 – Polish & Security**

- Add middleware: authMiddleware.js (JWT verify).
- Secure routes (/resume, /ai/\*) so only logged-in users access.
- Add error handling (errorHandler.js).

## **Day 14 – Final Touch & Deployment**

- UI cleanup with Tailwind/Bootstrap.
- Deploy Frontend (Netlify/Vercel) & Backend (Render/Heroku).
- Connect with MongoDB Atlas.
- Test end-to-end flow: Signup → Upload Resume → AI Feedback → Job Suggestions.