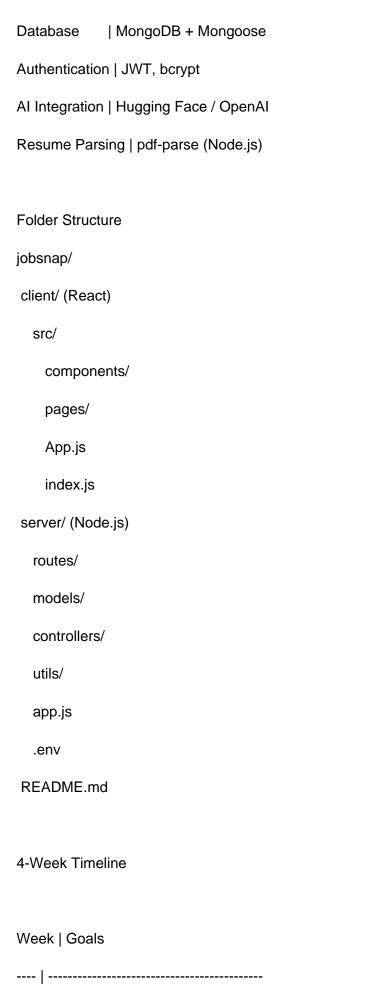# AI-Powered Job Tracker (JobSnap)

AI-Powered Job Tracker (JobSnap)

Why Its Trending

- Combines job application management with AI resume analysis and job suggestions.

- Highly relevant for students and professionals.

- Practical demonstration of MERN stack + AI integration.

Core Features

User Authentication

- Signup/Login with JWT and bcrypt

- Password hashing

- Protected routes

Job Tracker

- Add/Update/Delete job applications

  - Fields: position, company, status, notes, job link

- Status options:

  - Applied

  - Interview

  - Offer

  - Rejected

  - Wishlist

- Filter/Search by:

  - Status

AI-Powered Job Tracker (JobSnap)

  - Company

  - Position

Resume Analyzer (Mini AI Feature)

- Upload resume (PDF)

- Use Hugging Face Transformers / OpenAI API to extract skills

- Match skills with stored job listings

Smart Suggestions

- Suggest job openings based on extracted skills

- Use static job listings or integrate JSearch / Remotive API

Dashboard

- Charts with Chart.js or Recharts

- Metrics:

  - Total applications

  - Success rate

  - Interviews scheduled

  - Pie chart by job status

Tech Stack

Layer	Technology
Frontend	React, Axios, Chart.js
Backend	Node.js, Express

AI-Powered Job Tracker (JobSnap)

Database | MongoDB + Mongoose

Authentication | JWT, bcrypt

AI Integration | Hugging Face / OpenAI

Resume Parsing | pdf-parse (Node.js)

Folder Structure

jobsnap/

 client/ (React)

   src/

     components/

     pages/

     App.js

     index.js

 server/ (Node.js)

   routes/

   models/

   controllers/

   utils/

   app.js

   .env

 README.md

4-Week Timeline

Week | Goals

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AI-Powered Job Tracker (JobSnap)

1 | Set up MERN boilerplate, auth, and UI

2 | CRUD for job entries, filters, dashboard

3 | Resume upload + AI-based skill extractor

4 | Suggestions page + testing + deployment

Bonus

- Host frontend: Vercel / Netlify

- Host backend: Render / Railway

- Cloud DB: MongoDB Atlas