Al-Powered Job Tracker (JobSnap) Required Skills & Learning Resources 1. MERN Stack MongoDB: - NoSQL database to store user/job data - Learn: https://university.mongodb.com/ Express.js: - Backend web framework for building REST APIs - Learn: https://expressjs.com/en/starter/installing.html React.js: - Frontend JavaScript library for UI - Learn: https://reactjs.org/tutorial/tutorial.html Node.js: - Server-side runtime for JS - Learn: https://nodejs.org/en/docs 2. Authentication & Security -----JWT (JSON Web Token): - Used for user authentication

- Learn: https://jwt.io/introduction

perypt:
Secure password hashing
Learn: https://github.com/kelektiv/node.bcrypt.js
3. API Integration
Axios:
HTTP client for API calls
Learn: https://axios-http.com/
REST API Design:
Architecture for client-server communication
Learn: https://restfulapi.net/
1. File Handling & Resume Parsing
Multer:
Middleware to handle file uploads in Node.js
Learn: https://github.com/expressjs/multer
odf-parse:
Library to extract text from PDF files
Learn: https://www.npmjs.com/package/pdf-parse

5. Al Integration

Hugging Face Transformers:
- Extract skills and key terms from resumes
- Learn: https://huggingface.co/learn/nlp-course/
OpenAl API (Optional):
- GPT-based skill extractor
- Learn: https://platform.openai.com/docs
6. Data Visualization
Chart.js / Recharts:
- Create charts and graphs for dashboard
- Learn: https://www.chartjs.org/docs/ and https://recharts.org/en-US/
7. Deployment
Frontend Hosting (React):
- Vercel: https://vercel.com/docs
- Netlify: https://docs.netlify.com/
Backend Hosting (Express):
- Render: https://render.com/docs
- Railway: https://docs.railway.app/
MongoDB Atlas:

- Cloud-hosted MongoDB
- Learn: https://www.mongodb.com/atlas/database

#### **Bonus Resources**

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- MERN Stack Full Tutorial (freeCodeCamp): https://www.youtube.com/watch?v=7CqJlxBYj-M
- REST API in Node & Express: https://www.youtube.com/watch?v=I8WPWK9mS5M
- React Dashboard with Chart.js: https://www.youtube.com/watch?v=s-PRLIA1pHk
- Resume Parser in Node.js: https://www.youtube.com/watch?v=klcibqnb3a4