Connection.ai

Artificial Intelligence for Inclusion, Fairness, and Efficiency in the Hiring Process

Problem

The job market struggles with efficient resume analysis and candidate preparation, especially for people with disabilities.

Solution

Connection.ai leverages AI to analyze resumes, generate development plans, and conduct personalized interview simulations, ensuring fairness and inclusion.

Overview

Objective: Assist candidates and recruiters in the selection process with intelligent analysis and interview simulations.

Target Audience: Professionals seeking career development, recruiters, and professional coaches.

Differentiator: AI-driven evaluation, personalized feedback, and strategic career recommendations.

System Architecture

Frontend: Next.js + React + Tailwind CSS

Backend: Python + Azure Functions

Services: Azure OpenAI, Document Intelligence, Key Vault, Application Insights

Storage: Azure Storage Blob

Resume Upload -> AI Analysis -> Career Plan & Feedback -> Interview Simulation -> Candidate Insights

Key Features

- **Resume Analysis:** Upload files (PDF, PNG, JPG, JPEG) for structured data extraction and evaluation.
- **Smart Chatbot:** Virtual assistant answering questions about resume analysis.
- **Interview Simulation:** AI generates questions and provides real-time feedback.
- **Candidate Profile:** Displays skills, experiences, and personalized recommendations.

Technologies Used

Next.js & React: Modern and responsive UI.

TypeScript: Static typing for a secure and structured codebase.

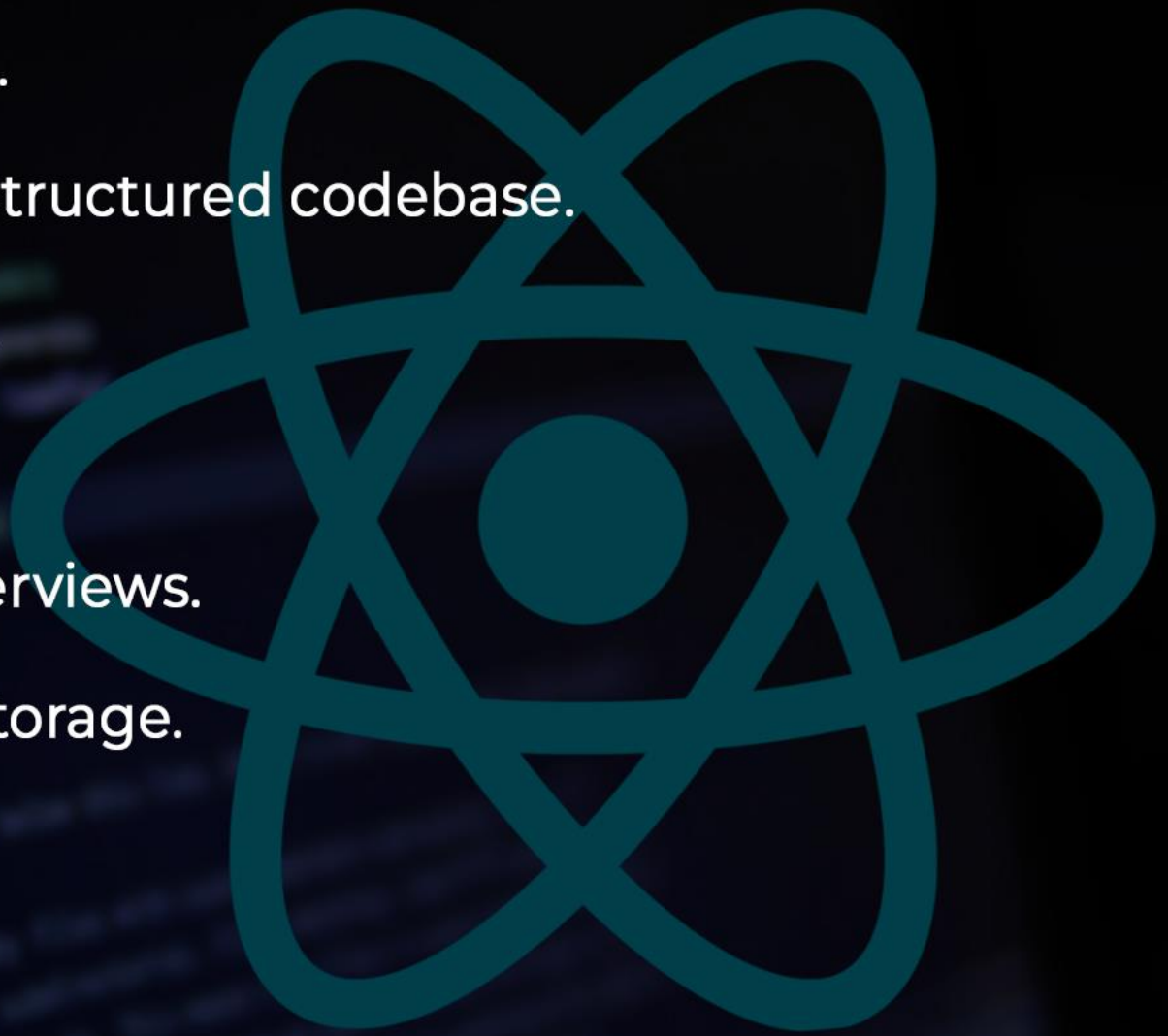
Tailwind CSS: Flexible and efficient styling.

Prisma: ORM for database management.

OpenAI: AI-driven resume analysis and interviews.

Azure Storage & Blob: Secure document storage.

Axios: Efficient API communication.



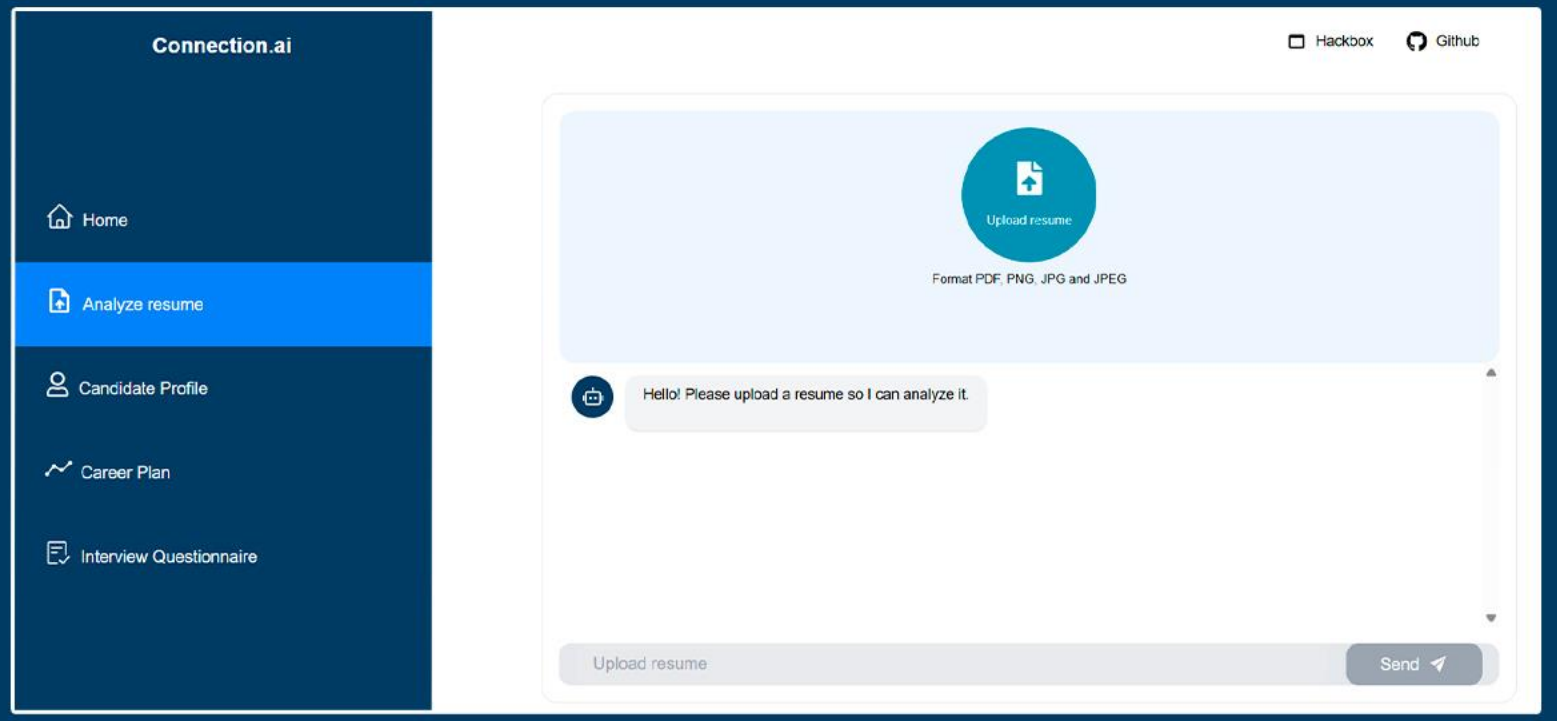
1 - Candidate uploads resume

2 - AI analyzes and suggests a development plan

3 - Chatbot answers questions about the analysis

4 - AI generates a personalized interview simulation

5 - Candidate receives feedback and improvement insights



Benefits and Impact

Efficiency: Recruiters save time on resume screening.

Fairness: AI ensures objective evaluation criteria.

Inclusion: Expands opportunities for people with disabilities.

Career Development: Candidates better prepare for the job market.

Thank You!

"Thank you! Together, we can build a fairer and more accessible job market."

Connection.ai

Artificial Intelligence for a More Human Hiring Process.