

A group of diverse people in an office setting performing a high-five gesture, symbolizing teamwork and success. The image is dimly lit with a dark overlay, and the text is prominently displayed in the center.

# 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.

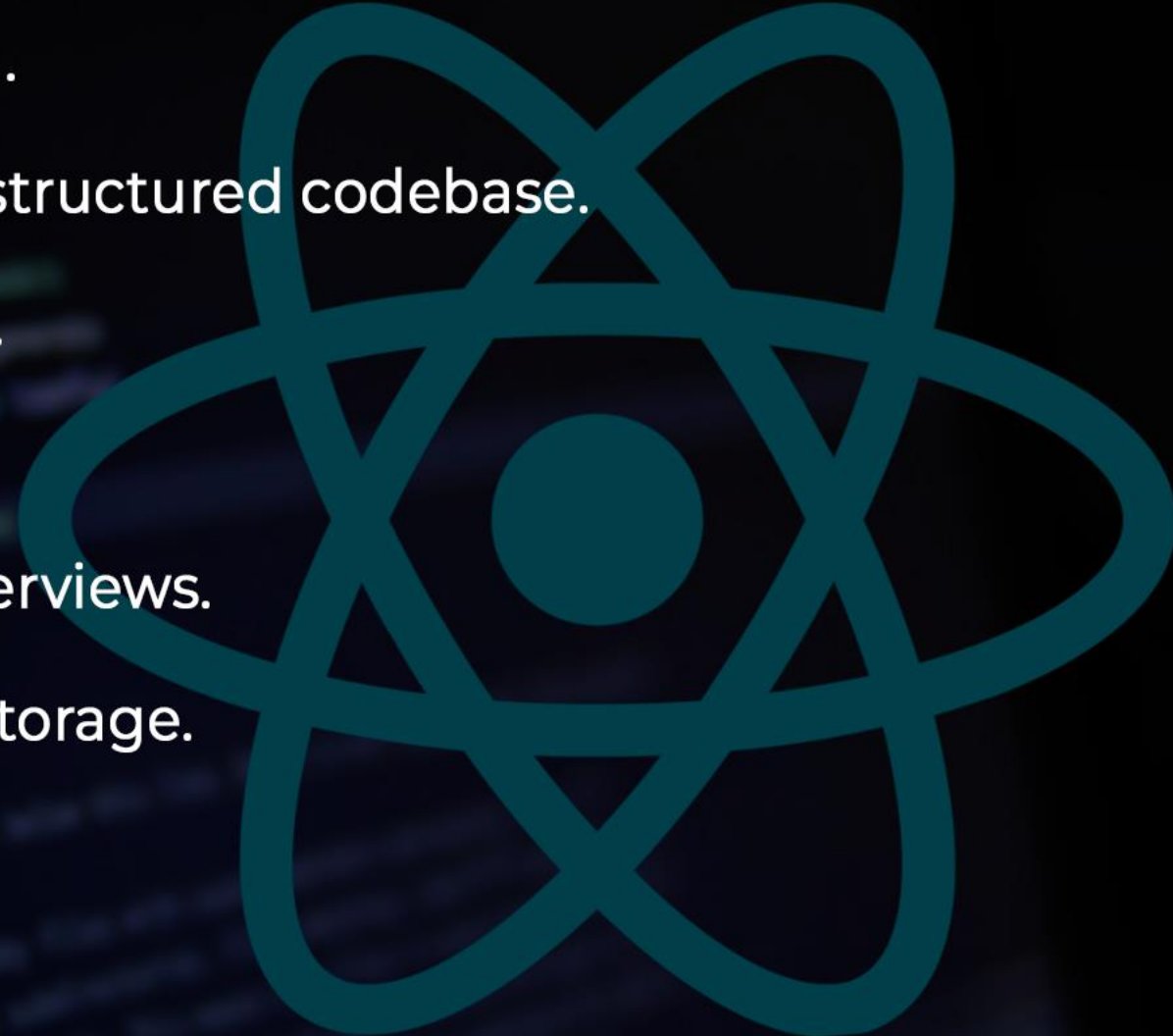
**Tailwind CSS:** Flexible and efficient styling.

**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

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Home

Analyze resume

Candidate Profile

Career Plan

Interview Questionnaire

Hackbox

GitHub

Upload resume

Format PDF, PNG, JPG and JPEG

Hello! Please upload a resume so I can analyze it.

Upload resume

Send

A snippet of a resume for a Retail Sales Associate at Storefront Sports Solutions. The resume lists achievements such as collaborating with a team to achieve and exceed department goals, presenting up-to-date knowledge and information about the latest products, and increasing sales by 15% through effective sales techniques. It also mentions a 20% increase in sales volume and a 10% increase in customer satisfaction.

A snippet of a resume for Frank Graham, a Sales Associate. The resume highlights his experience in sales, including managing a team of sales associates, developing and maintaining a high level of customer satisfaction, and achieving a 15% increase in sales volume. It also mentions his education at the University of Birmingham and his proficiency in English, Spanish, and French.

# Benefits and Impact

A background image showing four diverse women standing in a row, holding hands. They are all wearing business suits. From left to right: a woman with reddish-brown hair in a dark suit, a woman with blonde hair in a pink suit, a woman with dark skin and long dark hair in a light pink suit, and a woman with blonde hair in a grey suit. The image is semi-transparent, allowing the text to be overlaid.

**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.