



Resume Analyzer

Azure AI Integration

A comprehensive solution for resume screening and
candidate matching using Azure AI services

Overview

01

Web Application Purpose

HR professionals upload and analyze resumes efficiently

02

Resume Processing

Multiple resume upload and analysis capabilities

03

AI Analysis

Skills and qualifications extraction using Azure AI

04

Candidate Management

Automated notification emails to shortlisted candidates

Architecture Overview and Technology Stack

Frontend

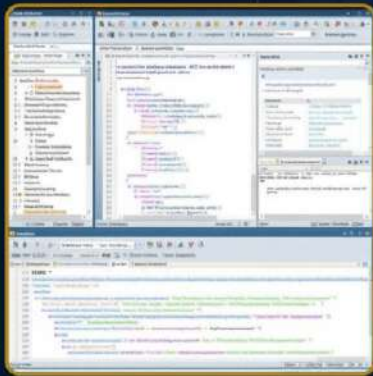
- HTML for structure
- CSS with Tailwind for styling
- JavaScript for interactivity
- Drag and drop functionality

Backend

- Node.js runtime environment
- Express framework
- API endpoints
- Resume processing logic

Azure AI

- Cognitive Services integration
- Text Analytics API
- Form Recognizer service
- Intelligent analysis engine



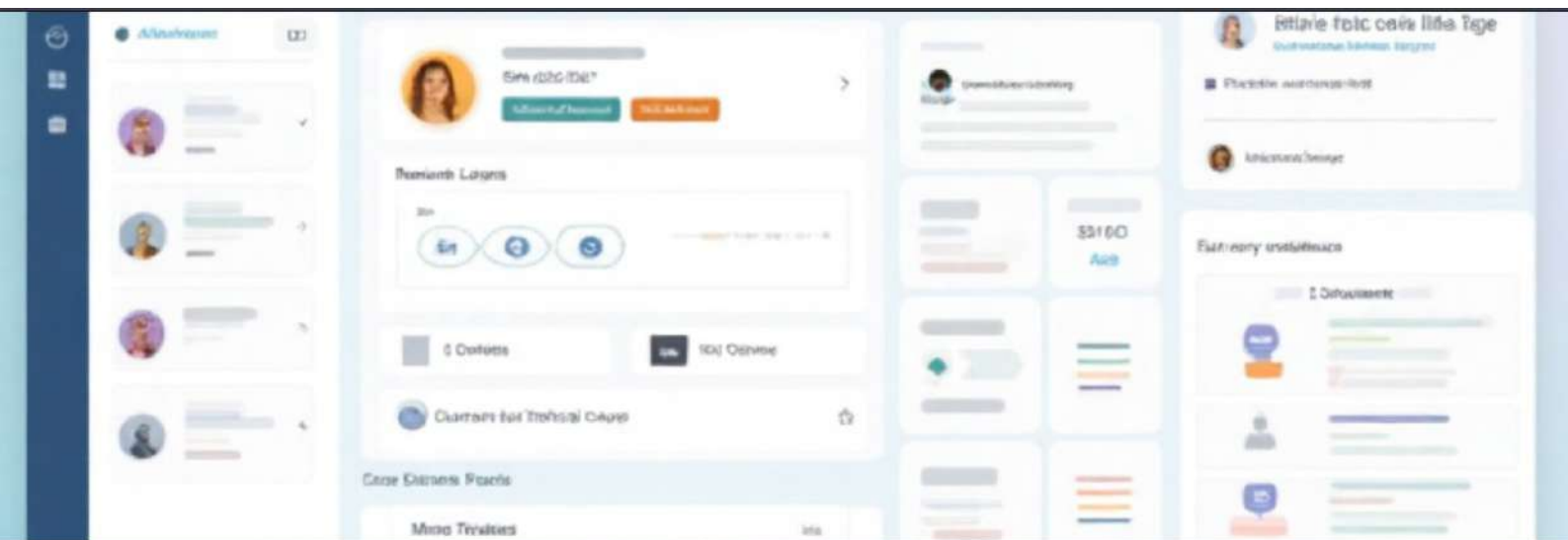
</> Frontend Implementation

Key Technologies

HTML provides structure, Tailwind CSS offers responsive styling, and JavaScript enables dynamic interactions for seamless user experience

User Interface

Intuitive drag-and-drop interface allows users to easily upload resume files with visual feedback and progress indicators



Resume Upload

Advanced functionality enabling users to upload multiple resumes through drag-and-drop or browse features for comprehensive analysis



Upload Interface



Analysis Engine



Data Extraction

Azure AI

Text Analytics

Azure Text Analytics API extracts key phrases and named entities from resume content for intelligent analysis

Form Recognizer

Azure Form Recognizer service extracts structured data from various document formats and layouts automatically

Cognitive Services

Comprehensive Azure Cognitive Services integration provides powerful AI capabilities for resume processing workflows



Azure Services



100%

Automation Rate

95%

Accuracy Level

10x

Speed Increase

Unlimited

Scalability Factor

Efficiency Benefits

Automated resume screening eliminates manual review processes and accelerates candidate evaluation workflows significantly

- ▶ Reduces time spent on initial resume screening
- ▶ Enables simultaneous processing of multiple candidate applications
- ▶ Streamlines HR workflow and decision-making processes

Accuracy Improvements

AI-powered analysis reduces human error and provides consistent evaluation criteria for all candidates

- ▶ Eliminates subjective bias in initial candidate screening
- ▶ Ensures consistent evaluation standards across all applications
- ▶ Identifies qualified candidates with higher precision rates

Scalability Advantages

Cloud-based Azure AI services easily scale to handle varying volumes of resume submissions

- ▶ Handles large volumes of resumes without performance degradation
- ▶ Provides valuable insights into candidate qualification patterns
- ▶ Adapts to growing organizational recruitment needs



Project Summary

The Resume Analyzer successfully leverages Azure AI technologies to streamline and automate the recruitment process for organizations

Future Impact

Azure Cognitive Services integration enables efficient resume analysis and identification of best-fit candidates for positions





Questions & Discussion

Thank you for your attention and participation

Open floor for questions about the project, Azure services, or
implementation details