Built with **Trae AI IDE**

ARKHA

AI-POWERED RESUME & COVER LETTER OPTIMIZATION PLATFORM

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Project Overview

Arkha is a modern, full-stack web platform that helps users:

1. Analyze resumes in real-time
2. Generate tailored cover letters
3. See job match scores
4. Gain actionable feedback to land interviews

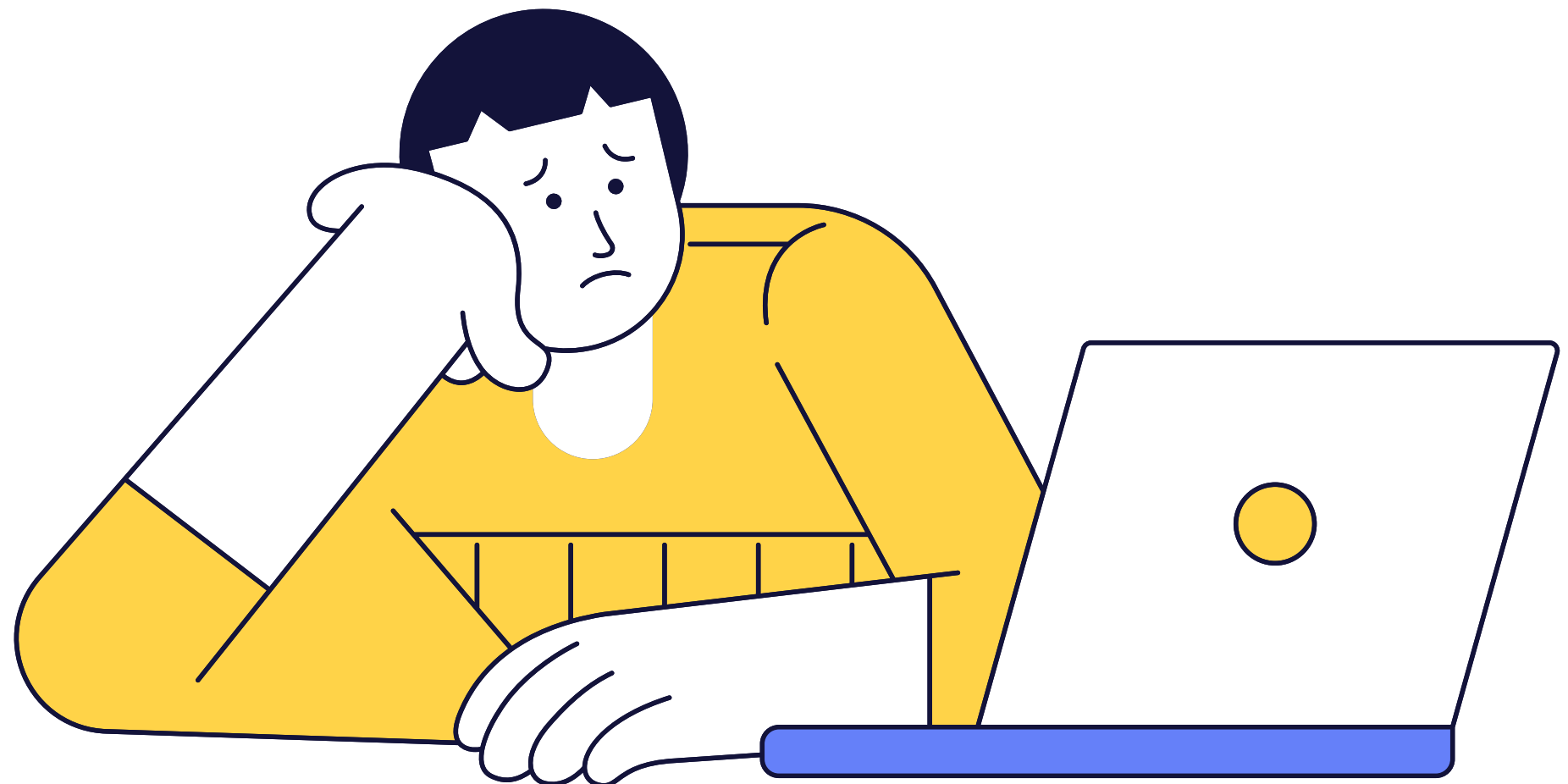**Built With:** FastAPI, React, Groq, Tailwind CSS, Trae AI IDE

Why Arkha?

Job seekers struggle with:

- Poorly optimized resumes
- Generic cover letters
- Low job match scores

Arkha solves this using AI:

- Real-time resume analysis
- Tailored cover letter generation
- Smart improvement suggestions

Built Using **Trae AI IDE**

We used Trae AI IDE to:

- Accelerated backend and frontend development using AI-powered code generation.
- Automate backend logic generation with AI prompts
- Utilized Trae's code analysis tools to ensure clean, maintainable, and bug-free logic.
- Instantly produced clear and structured FastAPI docs with minimal effort.

Trae helped us move faster, maintain clean code, and focus on features instead of boilerplate.

Core Features

Backend (AI-Powered API)

Information Extraction from resumes and job descriptions

Job Matching with percentage match score

AI Suggestions for resume improvements

Auto Cover Letter generation tailored to job

Frontend Interface

Drag & drop resume upload

Clean display of extracted info (skills, experience)

One-click Copy Cover Letter

Real-time analysis with visual feedback

Tech Stack

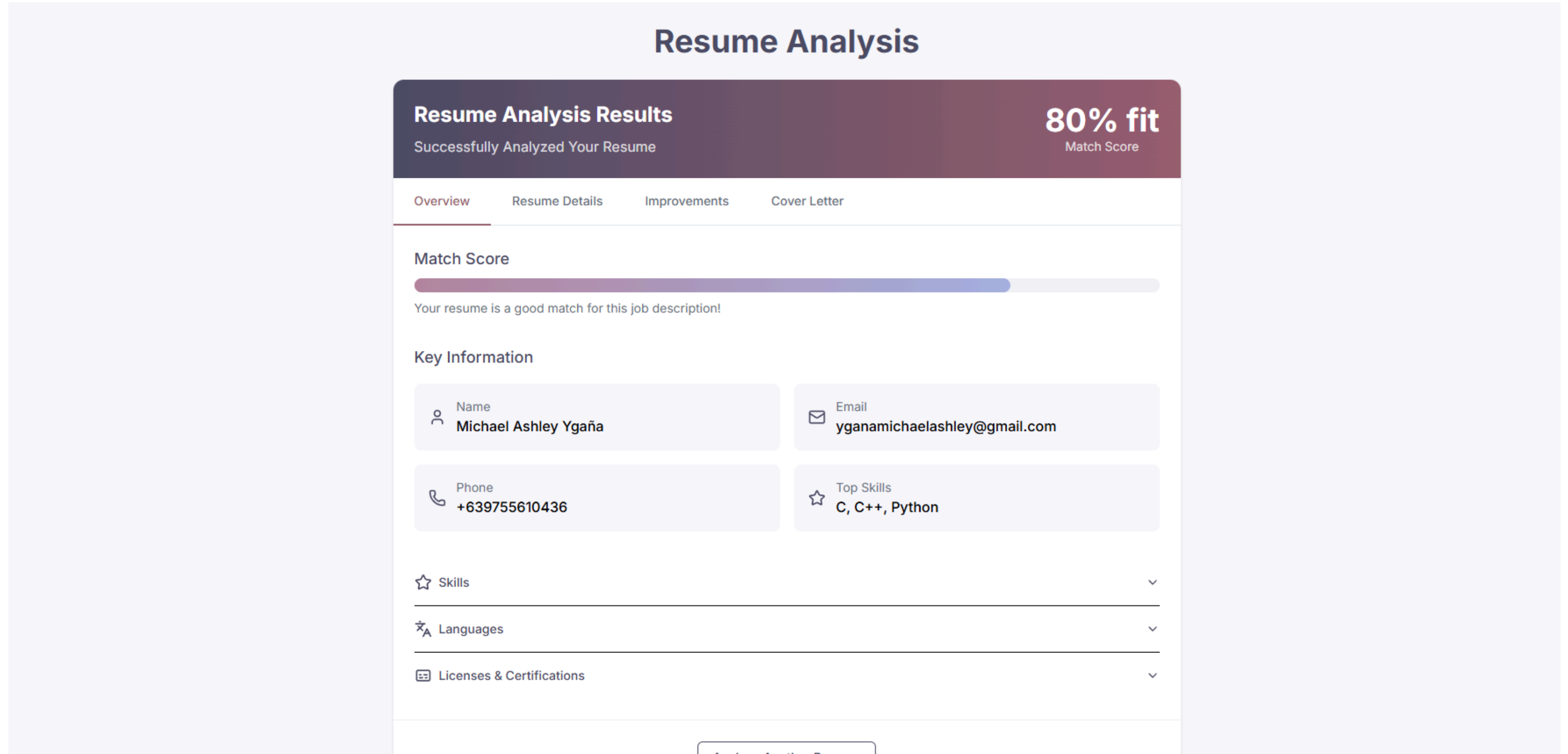| Layer	Tools
Frontend	React + Tailwind CSS + Shadcn UI
Backend	FastAPI + Python + PyMuPDF
AI Engine or LLM Usage	Groq Llama 4
IDE	Trae AI IDE for full-stack development

User Interface

Figure 1: User Interface of The Analysis Results

THANK YOU !