## **Smart Resume Screener**

Intelligently parse resumes, extract skills, and match candidates to job descriptions using LLM-based semantic analysis.

## **Objective**

The Smart Resume Screener automates candidate evaluation by:

- Extracting structured information (skills, experience, education) from resumes.
- Comparing candidates' skills sections with job descriptions.
- Ranking candidates using an LLM for semantic fit.
- Providing justifications and recommendations for each candidate.

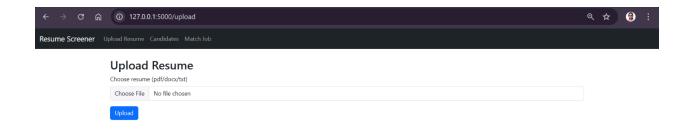
#### **Features**

- Upload PDF or DOCX resumes.
- Robust Skills section extraction, including variations like "Technical Skills," "Skills & Tools," etc.
- Semantic matching with LLM (Grog llama-3.1-8b-instant) to generate:
  - Score (1–10)
  - Justification
  - Matches
  - Recommendation
- Dashboard displays **top candidates** sorted by score.
- Simple CSV-based storage; no complex database required.

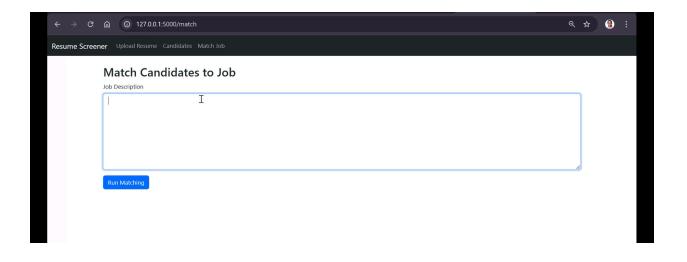
### **Tech Stack**

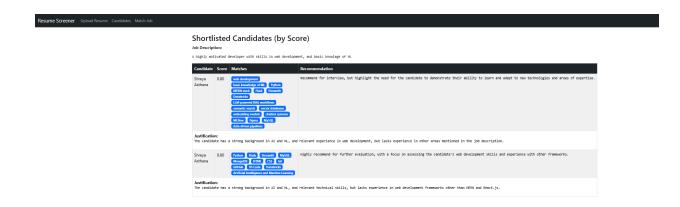
- Backend: Python, Flask
- Resume Parsing: pdfminer.six, python-docx
- **LLM Integration:** Groq API (llama-3.1-8b-instant)
- Frontend: HTML, Bootstrap 5
- Data Storage: CSV (resumes.csv)

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Github repo: <a href="https://github.com/Shreya-Asthana/Smart-resume-screener">https://github.com/Shreya-Asthana/Smart-resume-screener</a>