AI-Powered Multi-Resume Analysis System

**Project Overview**

* **Purpose**:
  + "Automated technical evaluation of multiple resumes against job requirements"
  + "AI-driven HR decision support system"
* **Key Features**:
  + Multi-Resume Comparative Scoring
  + Interactive Visual Analytics
  + Azure OpenAI Integration

**Project Architecture**

**A diagram of a software process

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**Technologies Used:**

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**Rubric Table:**

| **Category** |  | **Weight** |  |  |  |  |  | **Sub-Categories** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Relevance** |  | **40%** |  |  |  |  |  | **Skills, Experience, Education** |
| **Content** |  | **30%** |  |  |  |  |  | **Achievements, Narrative, Errors** |
| **Presentation** |  | **20%** |  |  |  |  |  | **Structure, Visuals** |
| **Bonus** |  | **10%** |  |  |  |  |  | **Unique Differentiators** |

**Installation Guide:**

**Requirements:**

* **Python 3.9+**
* **Libraries: streamlit, PyPDF2, openai, matplotlib**
* **Azure OpenAI API Key**

**Setup:**

**# Installation steps**

**#Create a (.env) file and write your**

**AZURE\_OPENAI\_API\_KEY,ENDPOINT\_URL,DEPLOYMENT\_NAME**

**$ pip install -r requirements.txt**

**$ streamlit run app.py**