

# AI Chatbot for Resume Screening

Our Customer likes to develop a PoC AI Chatbot helping HR recruiter for Resume Screening. Here is the details

- The HR recruiter will provide the Job Description which describe the essential detail about what the Candidate is looking for.
- Candidates will send out their Resumes in various formats (e.g. PDF, docx, JPEG, etc) with non-standard format.
- Both the Job Description and Resumes will be loaded into AI Chatbot via RAG process. The RAG process will be run on a regular basis (e.g. 4 times per day).
- The AI Chatbot will help to rank the resumes and provides a “shortlist” of Candidates which fit the Job Description (e.g. Score the Candidates based on JD’s criteria).
- The HR recruiter can input instructions or criteria, which is the input for the AI chatbot to Re-rank the candidate accordingly.

Please use the following paper and GitHub project as the base for development.

Application of LLM Agents in Recruitment: A Novel Framework for Resume Screening  
<https://arxiv.org/html/2401.08315v2>

GitHub - Resume Screening  
<https://github.com/Hungreeee/Resume-Screening-RAG-Pipeline?tab=readme-ov-file>

Demo - Resume Screening  
<https://resume-screening-rag-gpt.streamlit.app/>

Resume Dataset  
[https://huggingface.co/datasets/ganchengguang/resume\\_seven\\_class](https://huggingface.co/datasets/ganchengguang/resume_seven_class)

# AI 機器人 - 幫助招聘人員把應徵者的履歷排列

我們的客戶希望開發一個概念驗證 (PoC) AI 聊天機器人，協助人力資源招聘人員進行履歷篩選。以下是相關細節：

- 招聘人員將提供職位說明，該說明包含了候選人所需條件的關鍵細節。
- 候選人將以各種格式 (例如 PDF、DOCX、JPEG 等) 提交履歷，這些履歷格式可能不統一。
- 職位說明與履歷將透過 RAG (檢索增強生成) 流程匯入 AI 聊天機器人中。該 RAG 流程將定期執行 (例如每天四次)。
- AI 聊天機器人將協助對履歷進行排名，並提供符合職位說明的候選人「初選名單」 (例如根據職位說明的標準為候選人進行評分)。
- 招聘人員可以輸入額外指示或條件，作為 AI 聊天機器人重新排序候選人的依據。

請以以下論文與 GitHub 專案作為開發基礎。

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