Your Job Search Assistant

Dialogue Systems project

Features

AI-refined Vacancy filtering

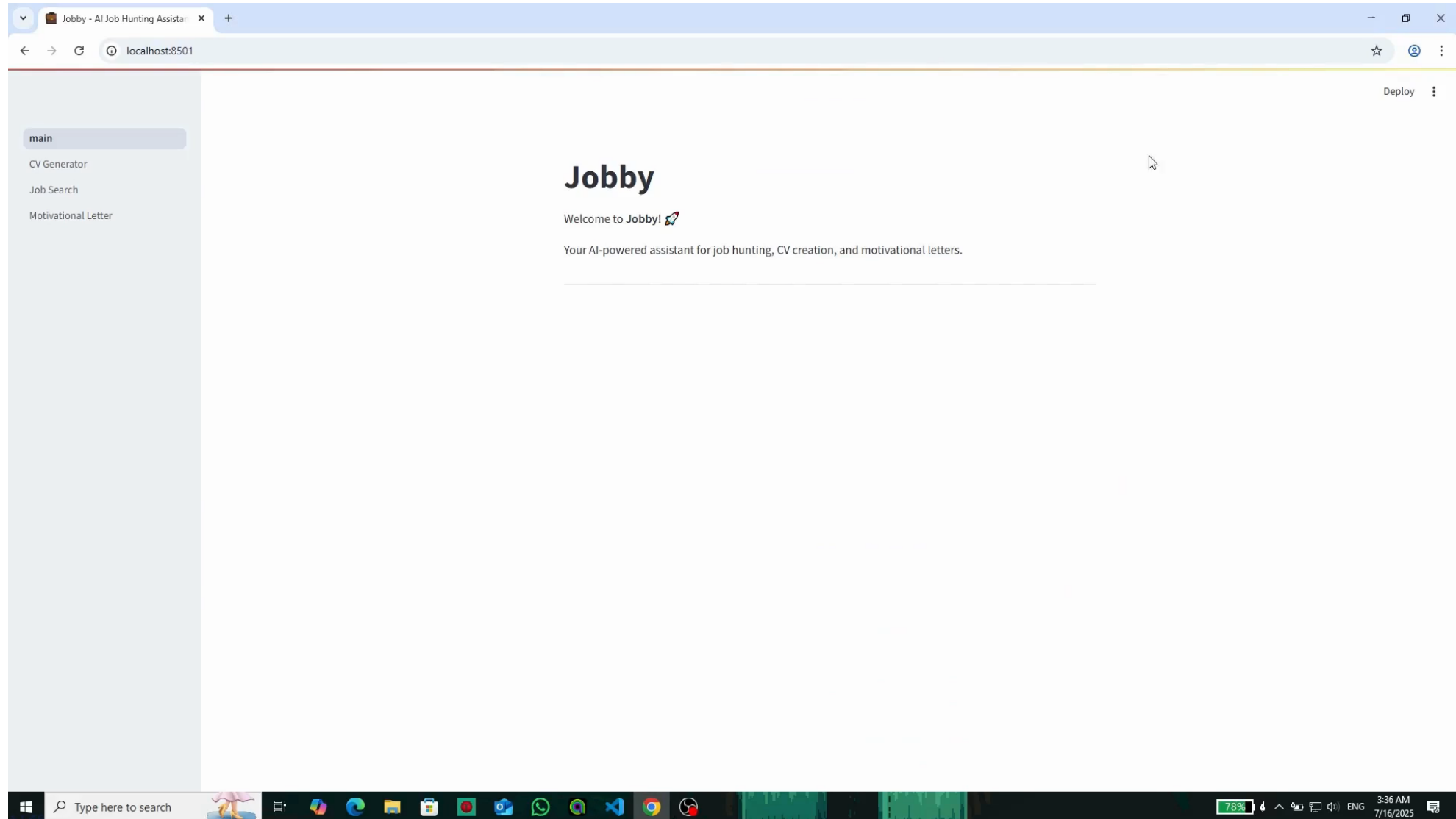Research Company relevant information (RAG agent)

Create Job Tailored CV and Motivational letter

Problems

- Login requirements: We require the user to log in to start the LinkedIn job search.

- Duplicate jobs: We might implement this later

- Xing jobs: with external jobs, if the website prevents scraping, the user needs to check it manually.

Our Method

Evaluation Strategies for Job filtering

Submit identical prompts to Gemini 2.5 Pro and compare the responses, treating the outputs from Gemini 2.5 Pro as the ground truth.

Combining two distinct job-related datasets and prompting the model with the mixed data.

Instructing an LLM to output job entries with appropriate labels.

Takeaways/Conclusions

- Do not use batch prompting: The bigger the context length, the more likely it is for the agent to hallucinate.

- Use API's whenever you can instead of scraping: Using official API's is more robust and easier.

- Be more specific when prompting: Give examples whenever you can. Simple prompts without explanations, can make the model deviate from its intended behaviour.

Team members and Tasks

- Umutcan Dogan: Xing Scraping

- Mohamed Sonbol: RAG agent, CV (download and upload)

- Abdelrahman Elkhayat: LinkendIn Scraping

- Omar Ismail: CV generation, Motivational Letter, frontend

Questions?