

Botify

LabLab AI Autonomous Agents Hackathon

Synthetic data generation that gives smaller companies a chance to provide quality search recommendations.

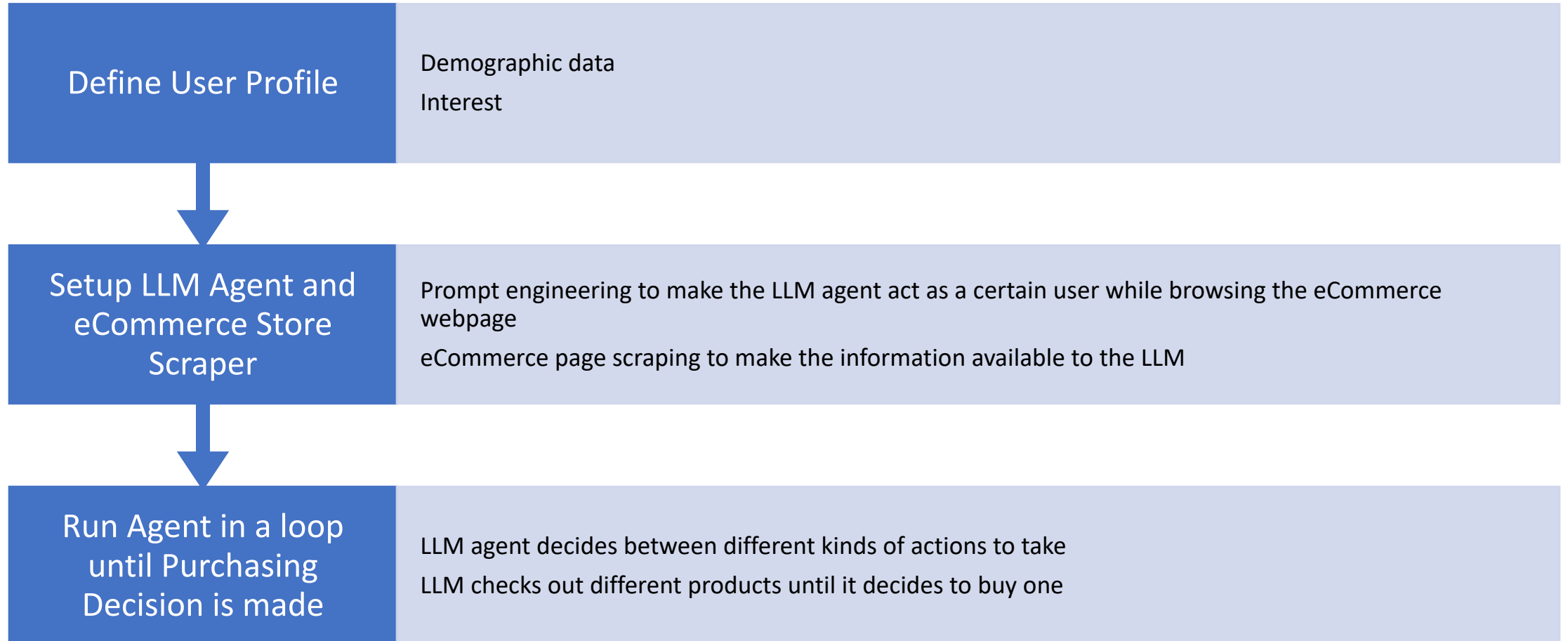
Team: HackingFromRV (David & Jinsuk)

Problem



Small companies don't have access to the same, large datasets that larger companies do, which inhibits them from providing quality recommendations.

Solution: Synthetic Data



Outcome

- The LLM acts as a person with the specified user profile browsing the eCommerce page
- A dataset of actions on the eCommerce page that the LLM took is generated:
 - Searching
 - Clicking on search results
 - Clicking on recommended items
 - Going back to the search results
 - Buying the item
- This dataset can be used for search & recommendation optimisation

Code

- Demo code available on GitHub
- TechStack
 - Backend: Python, BeautifulSoup, FastAPI, Langchain, OpenAI
 - Frontend: Javascript, Svelte
- Futher Development
 - Document requirements for eCommerce store browser/scrapper, so that eCommerce store providers can use it on their own store
 - Allowing the LLM to do more different action types
 - Improving API

Demo

See linked demo video in submission!