

AI Engineer Assessment

Objective

Build a RAG-based AI chatbot that acts as a support agent for Boss Wallah. The chatbot should be able to answer questions about courses using the provided dataset.

Response Guidelines

- The chatbot must only answer using the provided dataset unless the query explicitly asks for information beyond it
- If the user's query is relevant to the dataset, the response should be drawn directly from the dataset fields
- A single query may return one or multiple matching courses, depending on the context

Dataset

Link: Boss Wallah Courses

Dataset Structure

A collection of 100 courses from Boss Wallah, each containing:

Field	Description
Course Title	Name/title of the course
About Course	Comprehensive description of course content
Course Released Languages	Available languages (comma-separated codes)
Who This Course Is For	Target audience description

Language Mapping

Code	Language
6	Hindi
7	Kannada
11	Malayalam
20	Tamil
21	Telugu
24	English

Task

Make the chatbot answer the given questions:

1. Tell me about honey bee farming course
2. I want to learn how to start a poultry farm
3. Do you have any courses in Tamil?
4. I am a recent high school graduate, are there any opportunities for me?

Bonus Task

Bonus Questions:

1. Ask the chatbot how many cows you will need to start a dairy farm from any of the given languages: Telugu, Hindi, Kannada, Tamil, Malayalam [the bot must respond in the same language]
2. Are there any stores near Whitefield, Bangalore where I can buy seeds for papaya farming? [Hint: You may need to look towards an agentic approach]

Deliverables

You are required to upload all deliverables to a GitHub repository and submit the repository link.

1. A GitHub repository containing:
 - App source code file (app.py or main.py)
 - `requirements.txt` file with all dependencies
 - A clear project structure (e.g., data/, docs/, src/, etc.)
 - Screenshots demonstrating chatbot responses for the given queries (add inside a docs/ or screenshots/ folder)
 - README.md with setup instructions and explanation of your approach

Additional Information

Resources:

- You can use any open sourced resources and LLM models for the task

Contact Information

Feel free to reach out to ai@bosswallah.com for any clarifications