

LLM Engineer (Founding Team) – Coding Challenge

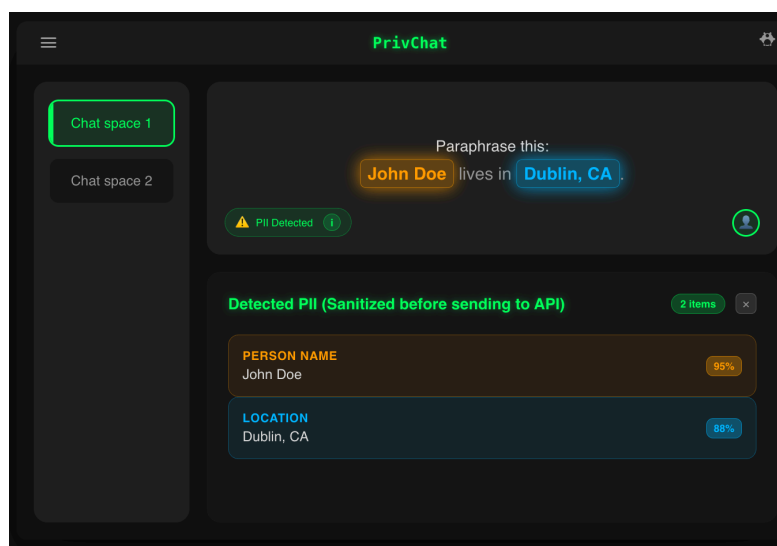
Congratulations on getting this far!

As part of this programming assignment, we aim to evaluate your:

1. Knowledge of packages & libraries.
2. Ability to design a simple, effective system.
3. Capability to write clean, organized code.
4. Understanding of local LLM deployment.

Provided Resources:

- **Sample HTML UI:**
 - [HTML GUI Link](#)
 - Screenshot:



Your Task:

Implement a simple system following these guidelines:

- **Prompt Input:** Use any dummy prompt, similar to the example provided in the shared GUI.
 - **API:** Set up your backend API using **FastAPI**.
 - **Named Entity Recognition (NER):** Use the **spaCy NER** model (`en_core_web_sm`) to detect named entities.
 - **Local LLM:** Deploy any suitable Local LLM using **Ollama's REST API** on your machine.
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Expected Functionality:

- At a minimum, your system should:
 - Take the user's prompt (On click "Send").
 - Use [FastAPI](#) to pass this prompt to [spaCy NER](#) and [Ollama REST API](#).
 - Clearly print the following in the console:
 - Detected named entities from the input prompt.
 - Response from the LLM.
- **Bonus points:** Update the provided GUI to visually display:
 - Detected named entities (e.g., highlighted text).
 - LLM's response.

Submission Requirements:

- Upload your implementation to a **Google Drive link** or **GitHub repository**.
- Ensure the provided link is set to be **viewable by anyone with the link**.
- Include in your submission:
 - All code files.
 - Screenshots clearly demonstrating your running application.

Additional Guidelines:

- **Expected Effort:** ~1-3 hours. We value functional completeness over extensive polish at this stage.
- No need to handle streaming tokens or concurrent requests - single request/response behavior is acceptable.
- Optional: Include a brief demo video (max 2 min) or GIF to showcase your working app clearly.

Submission Note:

You are encouraged to submit the form with your repository link as soon as possible. Continue refining your implementation, as shortlisted candidates will be quizzed about their submission during the second interview round.

Be creative, showcase your skills, and best of luck!