**20BCE1001**

**Rahul Sandireddy**

**Capstone Project**

**Agri-Bot model preparation methodology (outline)**

* The proposed system answers queries related to weather, plant protection, animal husbandry, market price, fertilizers uses, government schemes etc.
* Using **Llama-2-7b-chat** for the chat bot model

**Llama-2-70b-chat**

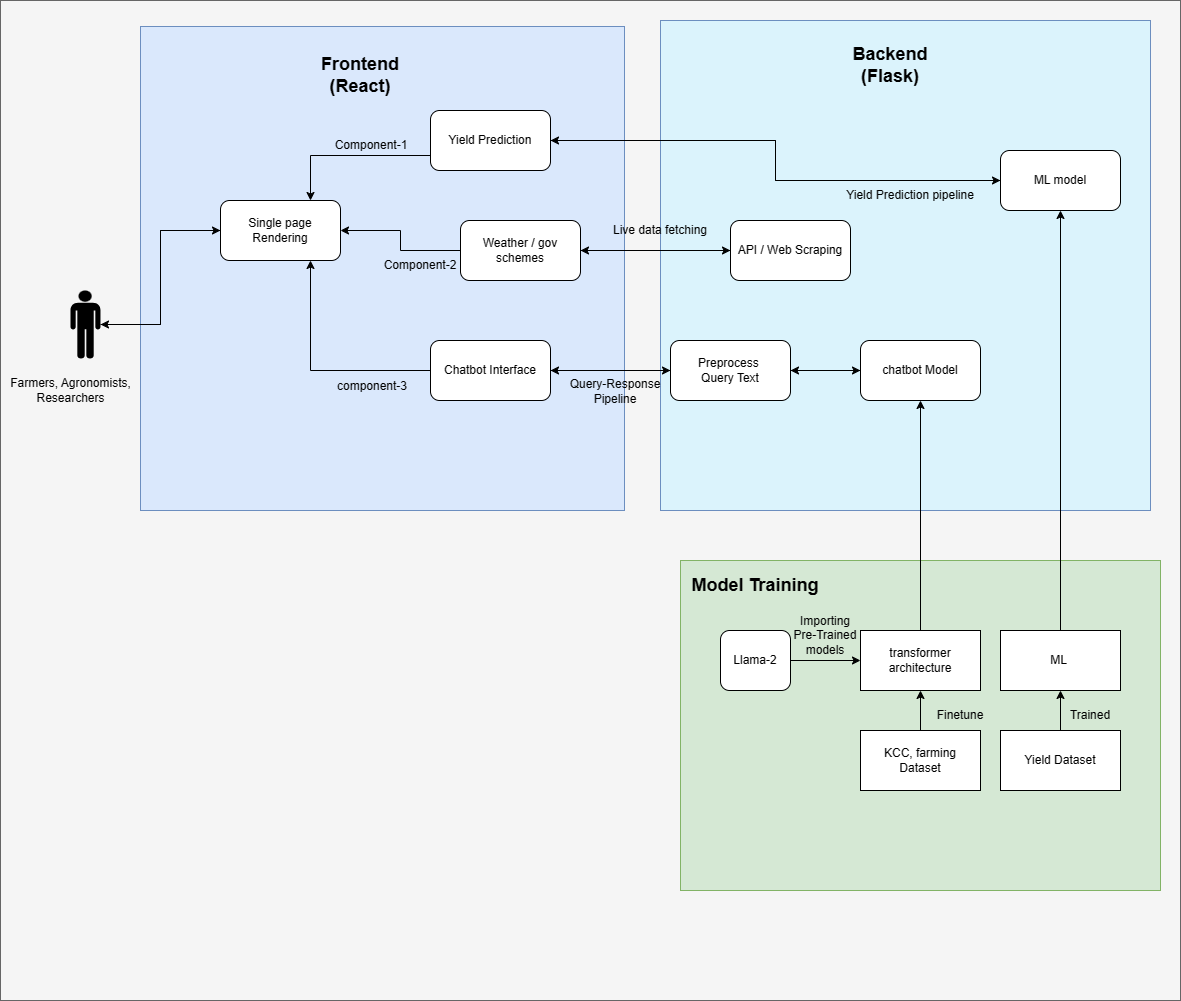
**Got the Llama 2 commercial license (2023 model)**

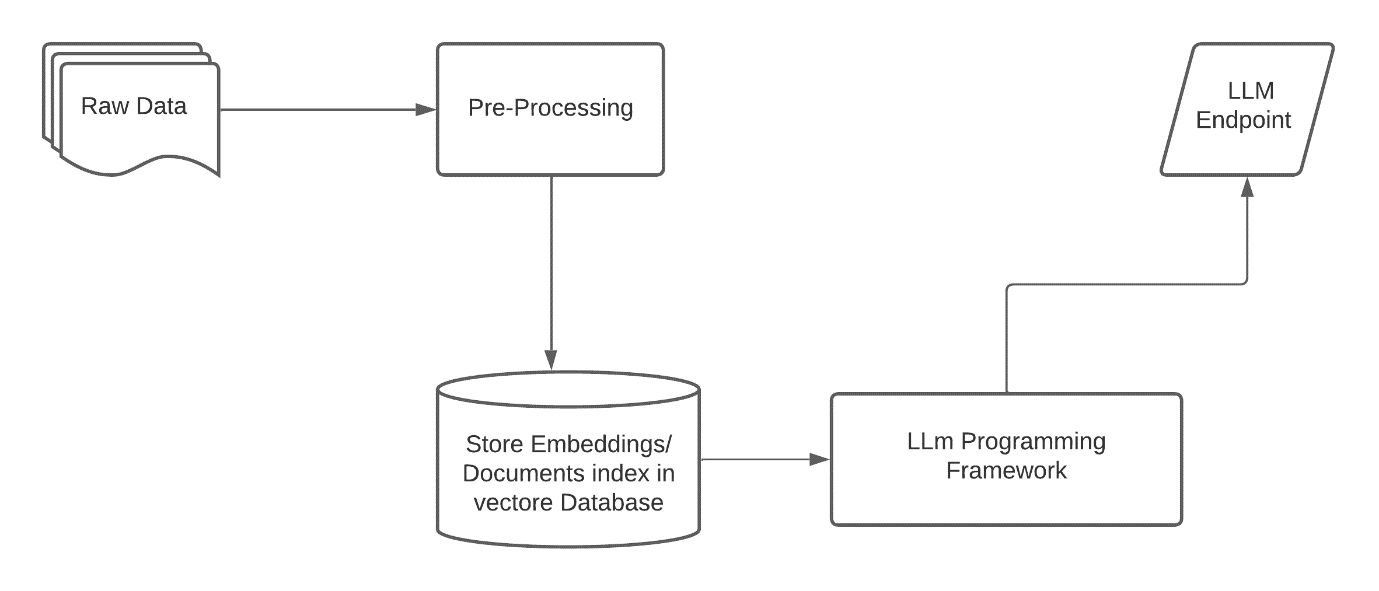
**Model weights available:**

* Llama-2-7b
* Llama-2-7b-chat
* Llama-2-13b
* Llama-2-13b-chat
* Llama-2-70b

**About Llama-2:**

* **Llama-2-7b** is a base model meant for next token generation, such as sentence completion.
* **Llama-2-7b-chat** is a fine-tuned model meant for back-and-forth dialogue, such as chat applications.
* Training Data: Llama-2-7b is trained on a new mix of publicly available online data, totalling 2 trillion tokens.
* Llama-2-7b-chat is fine-tuned on publicly available instruction datasets and over 1 million human annotations.
* Performance: Llama-2-7b-chat outperforms Llama-2-7b on dialogue benchmarks and human evaluations for helpfulness and safety. Llama-2-7b-chat also outperforms other open-source chat models, such as ChatGPT and PaLM, on most metrics.
* Llama-2-7b-chat can be used for **building chatbots** that can handle diverse and engaging conversations with users

**Architecture of the Application:**

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