**What I want to learn Today:**

* **Understand what Gen AI is**
* **Understand different open ai model -** [**https://huggingface.co/**](https://huggingface.co/)
* **Understand how to train, fine-tune and deploy an ai model**
* **System requirements**

**Go to ollama and download the model. Go the documentations**

[**https://huggingface.co/spaces/lmsys/chatbot-arena-leaderboard**](https://huggingface.co/spaces/lmsys/chatbot-arena-leaderboard)

**how to fine-tune open source ai locally? Modelfize**

* **How to integrate it with frontend to allow users to with it**
* **Limitations of open source ai**

**Check:**

**together.ai**

**Global GPU Marketing**

**RunPod - GPU services -** [**https://www.runpod.io/**](https://www.runpod.io/)

**Open source ai model [search for: open source ai benchmark]**

1. **openAI – GPTs**
2. **Llama 2**
3. **Mistral**
4. **Ollama - explore how to use** [**https://ollama.ai**](https://ollama.ai)

**LangChain (built on top of LLMs) ---- >>, llama index ---- >>,**

**GEN AI IN PERSPECTIVE: HOW TO LOCALIZE Gen AI**

* We need to localize the use of Gen AI, there should be more awareness to the community, the language use of (Swahili language usage). CHAT GPT / CHAT GPT 4 / LAMA models
* I am interested to learn how to use open can be used to develop model to help learner access fine-tuned learning materials related to the materials
* There is a language barrier, currently most Gen AI tools like ChatGPT and Bard they process prompts in English language. There is a need to have tool that uses local language so that more people can benefit from the knowledge.
* The open AI opens doors for us to localize the content, twist it a bit and improve it and customize

**Recommendations:**

* We should have program chat that outlines the time to be used by every speaker & stick to it
* Proper use of time
* Speakers should pay attention to the time allocated
* Most of tech discussed is not very know to us, presenters should take us through it in a baby steps way.

Zephania: **DataLyse** – product in the market: <https://camel-labs.com>

“Aligning with human is much difficult than aligning with AI”

Multi-Model LLM:

Proprietary: GPTV (Vision)

**Open source**: LLaVA (Large Language and Vision Assistant)– is advanced Ai possible to combine …

LLaVA connects a

vision encoder (CLIP) - <https://openai.com/research/clip> for general purpose visual and Language Decoder ( Vicuna ] – read more <https://sapling.ai/llm/opt-vs-vicuna> , <https://lmsys.org/blog/2023-03-30-vicuna/> ,

LLaVA Capabilities: OCR, ScienceQA, Medical Imaging

<https://llava-vl.github.io/>

<https://github.com/haotian-liu/LLaVA>

Explore more about : <https://huggingface.co/>

**USE CASES:**

**Check: ollama run llava**

**Stable Diffusion**: noising and denoising process

Openpose adapters,

Depth adapters / controllers

Check: pipm-ui.vercel.app