Personal LLM by stranzersweb.inc

In the era of AI and Large Language Models, I thought come by with idea, where we can use inferencing power of LLM models and to perform Question and Answer inference by providing custom database by using Haystack-ai

How does it works:

First: we load out dataset into a Document store such as ChromsStore,InMemoryStore or Elastic Store

Second: After Loading our dataset into ChromaStore, by this point we have convert out dataset into Embedding (Everything is being taken care by the haystack-ai controller)

Third: Now we use haystack pipeling component Retriever🡪Reader->prompt Builder🡪LLM , to generate output

 Retriver: Retrives the list of data from the documents based on query

 Reader: scan the documets given by retriever for best match of the context and query

 PromptBuilder: generates promptes based on the context received
 LLM: LLm used it’s inference to generate desired output based on the information provided

Although, you will say that this can be done by gpt-4, but pre-processing the earlier on helps the LLM to provide pin point data and accurate, data retrievel using haystack-ai libraries

LLM Application System design: