**More about the problem of LLMS**

LLMs struggle to find and use relevant data in answering a prompt. The purpose of the project is to propose a novel approach to providing custom nutrition therapy a complex data-dependent, reasoning, mathematics, and accuracy-dependent task, by employing the use of knowledge graphs and cipher queries to improve question answering in Large language models and provide better context to a large language model. I will also be developing custom prompts and instructions that better help the LLM to formulate an accurate answer.

This research expects that this new system will be better than the simple vector database LLMs, and show that the structured input and LLM with support from a knowledge graph is much better at performing certain user-personalized and accuracy-driven tasks.

**Input -> String -> Context ->Prompt -> Graph.**

Vector DB Hallucinated a lot, using data not given to it, however, it can have a general idea of what the nutritional requirement for sickle cell disease is such as hydration needs, need for increased folate intake, need for increased iron intake, etc.

* Change Model Configuration in methodology
* Remove references to traditional expert system
* Add some additional images of the knowledge graph and sample response
* Update prompt template
* Update the Knowledge graph to explain use of context and prompt etc.