

# Clinical Natural Language Technology for Healthcare

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# Idea behind the application

Design an application that can use LLM's to summarize content and understand the important discoveries made in a particular research work

By implementing this, resources spent on finding new things from research will reduce drastically, thereby saving time and money

The implementation of the Language Model is bolstered by the addition of RAG to the model which reduces the hallucination of the model

# Software used to design the app

Streamlit - to generate a user interface

Langchain & Llama Index - To generate embedding and create Vector Storage

Hugging Face - pre-trained LLM

# Resources

Model link in hugging face:

<https://huggingface.co/TheBloke/medicine-LLM-AWQ>

LlamaIndex:

<https://docs.llamaindex.ai/en/stable/examples/embeddings/Langchain/>

<https://docs.llamaindex.ai/en/stable/examples/llm/huggingface/>