

Vectex AI GenAI with memory

Leveraging Vertex AI and VectorStore for Enhanced AI
Generating valuable conversation with more fact base

Vertex AI + Vectorstore + Langchain



Extend GenAI memory with vectorstore

Pain Point: Hard to make GenAI understand the **BIG PICTURE**

Solution:

1. Compress the large context in vector store
2. Collecting relevant information by query vectorstore
3. With the **big context**, generate more fact based conversation



Tech stack

Core stack:

1. Deeplake vector database
2. Google embedding model
3. Vertex AI: chatbot, textoutputmodel
4. langchain: simplify the pipeline

Web stack:

1. FastAPI
2. GCP Bucket
3. Nuxt + Vue

Deployment:

1. GCP VM, Bucket
2. Vercel
3. Github



Google Cloud

Vertex AI

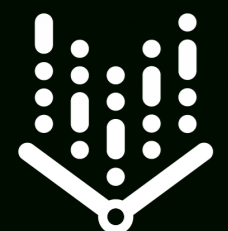
lab
lab
ai

Google Cloud Vertex AI Hackathon

Demo

App:
[https://vectorstore-
chatbot.vercel.app/](https://vectorstore-chatbot.vercel.app/)

Github:
[https://github.com/FengJi2021/
Vectorstore-Fastapi](https://github.com/FengJi2021/Vectorstore-Fastapi)



Vertex AI

Google Cloud

Vectorstore Chatbot

AI Chatbot

the open-source project langchain?

Important: ANSWER could be HALLUCINATION

What is the purpose of commenting out a certain line in the document for the open-source project langchain?

Answer: Commenting out a certain line in an open-source project like LangChain serves the purpose of temporarily disabling or excluding that line of code from being executed or compiled. This is often done to test alternative code, debug an issue, or temporarily remove a specific functionality without completely deleting the code. By commenting out a line, developers can easily toggle the execution of that line without having to delete or rewrite it. This can be useful for troubleshooting or experimenting with different code variations. It also allows other developers to understand the intention behind the commented-out code and potentially provide feedback or suggestions. In the context of LangChain, commenting out a certain line may be done to modify or customize the behavior of the framework, test different configurations, or address specific issues. It provides flexibility and allows developers to make changes without permanently altering the codebase.

Type here...



Built with [VertexAI](#) and [Nuxt](#).

 [Vercel](#)

 [Source](#)