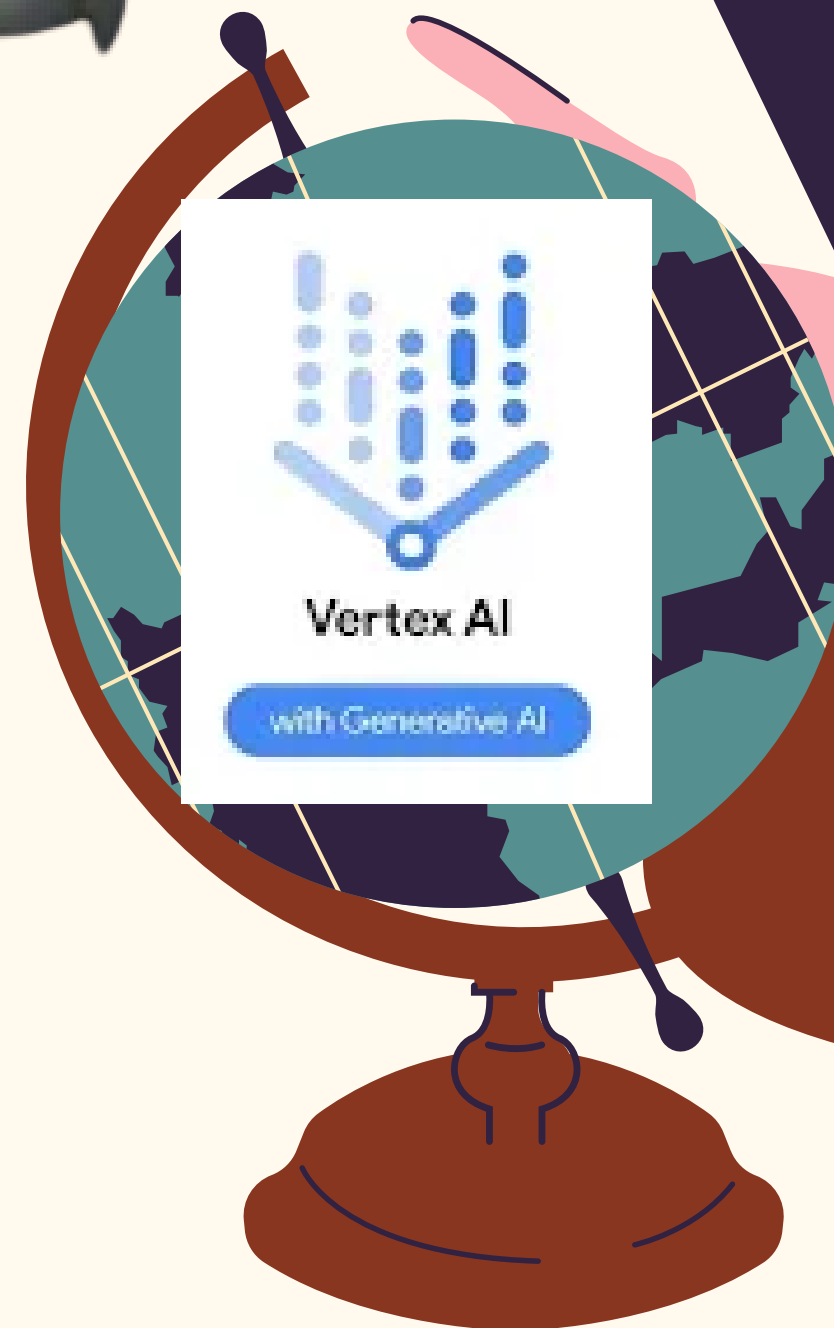


DEEP DIVE INTO SELF- QUERY RETRIEVER IN LANGCHAIN

EXPLORING
THE PROS AND
CONS



BUILD SELFQUERY
RETRIVERS WITH
GOOGLE PALM LLM



CHALLENGE SOLVED : IMPROVING DATA RETRIEAL

- **DOCUMENT RETRIEVAL CAN BE TRICKY BECAUSE OF THE BELOW REASONS**
 - **VECTOR SEARCH IS APPROXIMATE**
 - **IT DEPENDS ON THE ALGORITHM IMPLEMENTED IN THE VECTOR DB**
 - **EMBEDDING RETURNED BY THE EMBEDDING FUNCTION MAY NOT BE PERFECT**
 - **THE METHOD IN WHICH DOCUMENT IS BEING CHUNKED CAN IMPACT THE RETRIEVAL**
 - **NUMBER OF RETRIEVED DOCUMENTS FROM THE RETRIEVERS ALSO IMPACT**

LETS CODE AND PRACTICE

- **VERTEX AI LLM WILL BE USED**
- **SELF QUERY RETRIEVER WILL BE IMPLEMENTED IN CHROMADB**
- **THE RAW DATA PDF IS PRESENT IN THE RESOURCES FOLDER**
- **THE EMBEDDED DATABASE WILL BE AVAILABLE IN EXPLORING_BARD FOLDER**



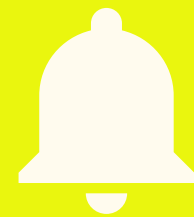
THANKS FOR WATCHING



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