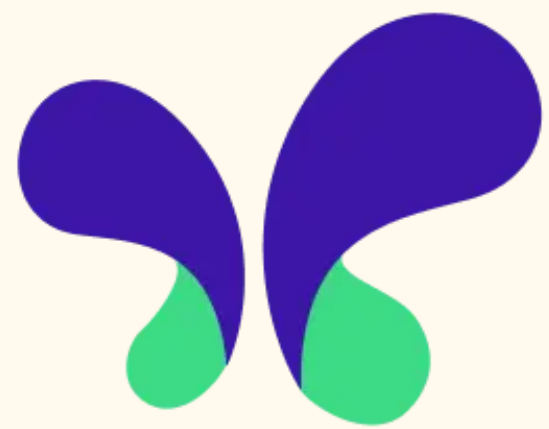
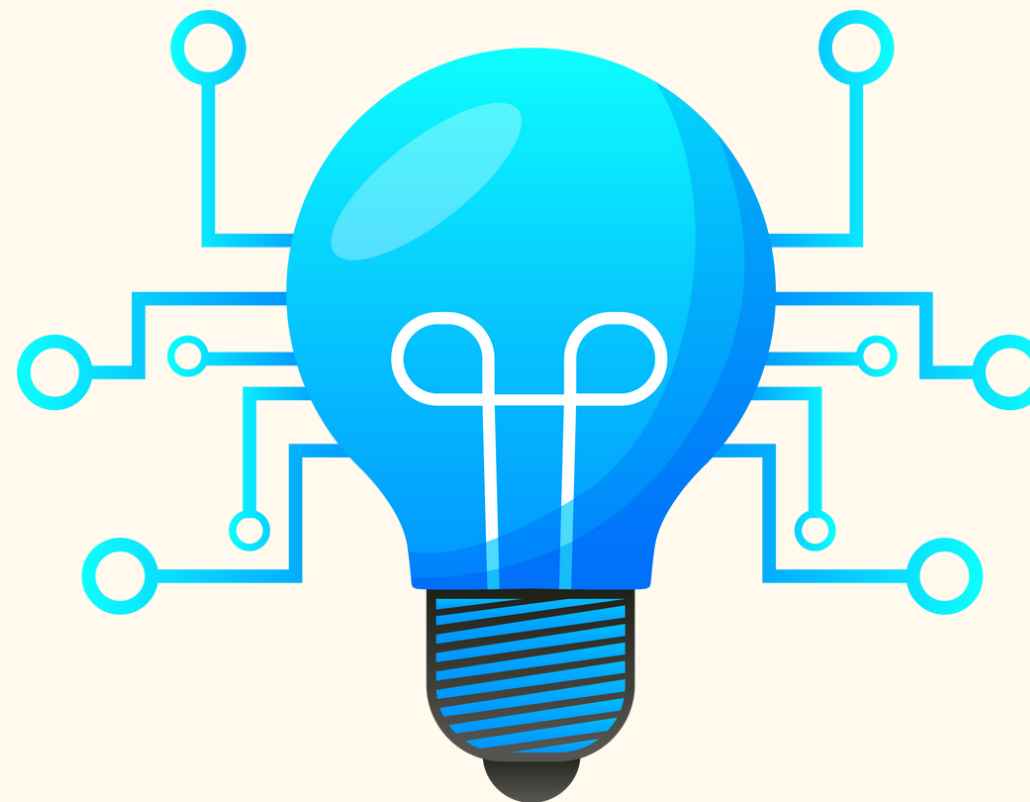
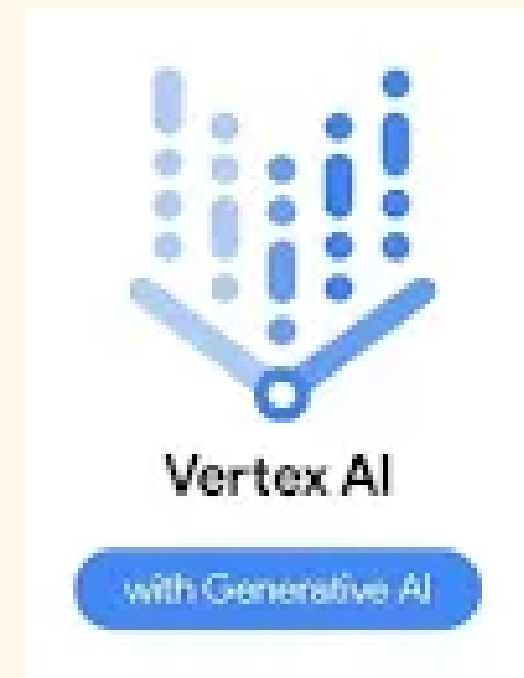


# INTEGRATING PALM API WITH LANGCHAIN AND VECTOR STORES



**POWER YOUR NEXT  
LANGUAGE  
PROCESSING  
PROJECT WITH  
VECTORSTORES**



# CHALLENGE SOLVED : CHATTING WITH DATA

- **LANGCHAIN HAS GOOGLEPALM LLM PRIMITIVE THAT USES THE API KEY FROM MAKERSUITE**
- **GCP HAS VERTEX AI, A DIFFERENT API ROUTE TO ACCESS THE LLM. LANGCHAIN PRIMITIVE IS UNDER DEVELOPMENT**
- **LANGCHAIN TEXT-EMBEDDING PRIMITIVE IS ALSO STILL IN DEVELOPMENT AS OF THIS VIDEO, HOWEVER REGULAR SENTENCE-TRANSFORMERS MODEL IS SUFFICIENT**
- **RETRIEVAL QA CHAIN CAN BE USED FOR INTEGRATING THE VECTOR STORES WITH LANGCHAIN AND GOOGLE'S LLM**
- **AS OF NOW MAKERSUITE API KEY IS IN WAITING LIST FOR MANY OF US. ONCE IT IS AVAILABLE, A LOT MORE IDEAS OPEN UP.**
- **BRIEF LOOK AT PALM API REFERENCE AND MAKERSUITE FEATURES**

# LETS CODE AND PRACTICE

- **SPECIAL THANKS TO HEMANTH FOR HELPING TO TEST THE CODE**
- **UNDERSTANDING THE MULTIPLE PROMPTS AVAILABLE FROM VERTEX AI IS HELPFUL**
- **MAKERSUITE WILL PROVIDE THE VISUAL PLAYGROUND FOR PROMPTING**

**Hemanth.HM's paws on tech.**

Experiments on web, cli and more!

 h3 /

**[HTTPS://H3MANTH.COM/](https://h3manth.com/)**


## insightbuilder/ python\_de\_learners\_data



Repo contains the code, data and supporting documents including presentations, playbooks and additional documents to support learning

 2  
Contributors

 0  
Issues

 52  
Stars

 24  
Forks



**python\_de\_learners\_data/multi\_vectorstore\_with\_paLMAPI\_ver02.ipynb at main · insightbuilder/python\_de\_learners\_data**

Repo contains the code, data and supporting documents including presentations, playbooks and additional documents to support learning - python\_de\_learners\_data/multi\_vectorstore\_with\_paLMAPI\_ver02....

 GitHub

**[HTTPS://GITHUB.COM/INSIGHTBUILDER](https://github.com/insightbuilder)**

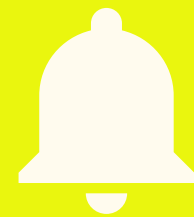
# THANKS FOR WATCHING



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