R Jeyaraman

Data Scientist

CONTACT

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EDUCATION

B.E
Mechatronics
Kongu Engineering College
July 2019 - May 2023
Erode, TN

SKILLS

Programming: Python (Scikit-learn, Pandas), SQL,Streamlit

Data Visulization:Matplotlib, MS Excel, Plotly

Modeling: Logistic regression, linear regression, decition trees

Databases: Postgres, MongoDB, MySQL

LANGUAGES

Tamil : Proficient(Read,Write,Speak)

English : Proficient(Read,Write,Speak)

German : Beginner(Read,Write,Speak)

PROJECTS

Text To Image

- Used dall - e a generative ai model from open ai and made a user interface using streamlit
- This app get input as a prompt which is then passed to the model and the model converts the text prompt into images
- And then the model was uploaded into streamlit community cloud for the user to get the full experience

Langchain combined with openai

- This project works with openai and langchain as a wrapper
- The model gets a pdf as a file input from the user and then converts the pdf file into text and then the texts are converted into chunks
- These chunks are then embedded by openai embedding and stored in a knowledge base and when the prompts any questions related to the pdf the bot converts the user prompt into embeddings and compares it with the data which is stored in the knowledge base and using FAISS(Facebook AI Similarity Search)it searches and gives the user with a best ranked result

Voice assistant Openai

- This project works with openai and special features from python
- This model gets the voice from the user and converts it into text which is then sent to the chatgpt LLM and then the answer for the users question is returned both by text and a voice from assistant itself
- It also has some special features to play with like open your favorite games,playing songs from youtube,texting a friend from whatsapp etc