Siranjeevi K

+91 9500378844 | siranjeevi2004k@gmail.com | linkedin.com/in/siranjeevik | github.com/SiranjeeviK

EDUCATION

Sri Shakthi Institute of Engineering and Technology	Coimbatore, TN
Bachelor of Technology in Information Technology - CGPA: 8.9	*Oct. 2022 – Present*
Sri Suka Brahma Maharishi Vidyalayam Matriculation School	Coimbatore, TN
HSE in Computer Science - Grade: 88.66%	*Jun. 2020 – Jun 2022*
Government Higher Secondary School	Coimbatore, TN
State Board - Grade: 91.2% (School First rank)	*Jun. 2016 – Apr 2020*

PROJECTS

Knowledge Representation | *Python, Streamlit, Gemini API, SQLite, Docker* June 2024 – Present
- Developed a Data Visualization web application using with Google's Gemini as primary LLM with Streamlit as the minimal frontend
- Implemented 'Chat with CSV' that allow users to get insight of their data through Chat
- Contributed to 'Get Insight' that provide insights of the CSV's through Visualization
- Used Pandas for CSV, SQLite for temporary memory, Google's *gemini-pro* as Large Language Model (LLM) and Langchain for prompting

Project PULSE | *Flutter, Dart, AppScript, Supabase, Git* March 2024 – June 2024
- Developed PULSE - Platform for Unified Learning & Student Engagement, a College Management Mobile app
- This app featured Attendance Management, Mark Analysis, Task management and Google Sheet Integration for Reports
- Followed SOLID Principles in Development to make this app Scalable and maintainable
- Made our class use this app and got various feedbacks

Knowledge Representation | *Python, Streamlit, OpenAI API, FAISS* August 2023 – Jan 2024
- Developed a Chatbot for Ministry of Coal's Problem Statement in SIH2023 that answers query pertaining Acts and Regulations on Coal Mining
- Implemented 'ReAct' that allow Thought-Action-Observation cycle to get desired result
- Implemented Retrieval Agumented Generation (RAG) to power up the chatbot with external knowledge source instead of expensive finetuning of LLM
- Used Streamlit for minimal UI, FAISS for Vectorstore, OpenAI's *gpt-3.5-turbo* as Large Language Model (LLM) and Langchain for prompting

TECHNICAL SKILLS

Languages: Java, Python, C/C++, Dart, SQL (Postgres), JavaScript, HTML/CSS
Frameworks: Flutter, React, Node.js
Developer Tools: Git, Docker, AWS, VS Code, Visual Studio, PyCharm, IntelliJ
Libraries: Pandas, LangChain, Streamlit, Material UI