VAIBHAV V

UNDERGRADUATE STUDENT, CMRIT

+91 8471937267| Bangalore, India| vav21aiml@cmrit.ac.in | linkedin.com/in/vaibhav-v-2k3 | https://github.com/Vaibhav-2k03

WORK EXPERIENCE

Intern
Flatworld Solution Pvt Ltd.| Bengaluru, India

Detection and Masking of PII details from External Agents   **(Oct, 2023 – Nov, 2023)**

Implemented Various Natural Language processing techniques for automation of extracting Personally Identifiable Information (PII) details.

- Used BERT LLM, Microsoft's Presidio, and custom spaCy locally for masking PII details for prompts before feeding it to the LLMs.
- Employed advanced tools to enhance accuracy, ensuring efficient information extraction and streamlined document processing and hosted a Local Flask API.

PROJECT

Chat with Multiple PDF's using Gemini Pro

- Developed a Q&A Chatbot that can take multiple PDFs as input and users can ask questions related to information in PDFs.
- PDFs data was converted into vector embeddings using Google Gemini Pro API call and stored in the FAISS vector database locally.
- Used Streamlit library to create frontend and Langchain library to create chatbot chain.
- Libraries Used- Streamlit, Langchain, PyPDF, FAISS, Google-generativeai.

Detection of Knee Osteoarthritis Disease

- Created Deep Learning Model using Transfer Learning that detects Knee Osteoarthritis Disease with the help of X-rays of Knee.
- Used the DenseNet Model to train the dataset which has 1.4M layers. This Model uses TensorFlow.
- The Model Achieved an Accuracy of **90%** with still scope of Improvement.
- Libraries Used- Scikit Learn, Tensorflow, Keras, Numpy, Pandas and OpenCV.

EDUCATION

B.E in Artificial Intelligence and Machine Learning   **2021 – 2025(Pursuing)**
CMR Institute of Technology, Bengaluru

Grade 12, Science (PCM)   **2021**
Army Public School, ASC C & C, Bengaluru

TECHNICAL SKILLS

Python |Java | C | HTML | CSS | JavaScript | Git & GitHub | Data Structures | Algorithms | Machine Learning Deep Learning | MySQL | OOPs Concept | APIs | Linux/Unix | Generative AI | LLMs | Hugging face Libraries

ACHIEVEMENTS

- Reached TOP 50 all over India in Encrypton 24-Hours Hackathon held at IIT Madras.
- Won consolation prize in Competitive Programming Hackathon held in CMRIT.
- Won Internal Smart India Hackathon held in CMRIT.