

Education

Marwadi University
B.tech, CE [9.28]

Rajkot, Gujarat
(2022-2026)

Vapi Public School
80 % (ISC Board)

Vapi, Gujarat
2021

Projects

Hindi Text Summariser

- Developed and implemented a Hindi text summarization project by fine-tuning the **IndicBART** model.
- Leveraged a comprehensive Hindi text summarization dataset to optimize model performance. Achieved a remarkable ROUGE1 score of **0.66**, demonstrating high accuracy and effectiveness in summarizing Hindi
- Demonstrated expertise in natural language processing and deep learning techniques applied to Indian languages, contributing to advancements in automated summarization technology.

Chat with Codebase

- Created a chat with codebase application that leverages **Retrieval Augmented Generation(RAG)** and **Large Language Models(LLMs)** using LlamaIndex and Ollama.
- Helps new users understand and navigate parts of the codebase using natural language enhancing efficiency and understanding of how the code is structured and its functions.

Traffic Sign Classifier

- Developed a robust traffic sign classifier utilizing **Convolutional Neural Networks (ConvNets)**.
- Trained the model on the German Traffic Sign Recognition Benchmark (GTSRB) dataset, encompassing diverse real-world traffic sign images.
- Demonstrated exceptional performance with a **97% accuracy** rate, showcasing the efficacy of the ConvNets architecture in accurately identifying traffic signs.
- Leveraged TensorFlow, to implement the model and for hyperparameter tuning, ensuring efficient training and deployment for real-time applications.

Skills & Interests

Technical: PyTorch, Tensorflow, Numpy, Pandas, Scikit-learn, HuggingFace Transformers, nltk, spacy

Language: Python, Java, C++, JS, C

Interests: NLP, LLMs, CV, Interpretability of a neural network, Linear Algebra

Summary

- I write clean, efficient code.
- Proficient in modern ML Frameworks and libraries like PyTorch and Transformers Library
- Strong fundamentals of ML and DL.
- Fast learner, I pick up things quickly