Parv Pareek

[GitHub](#) • parvpareek21@gmail.com• [X](#)(twitter) •[LinkedIn](#)

Education

Marwadi University   **Rajkot, Gujarat**
B.tech, CE [9.28]   (2022-2026)

Vapi Public School   Vapi,Gujarat
80 % (ISC Board)   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

Achievements/Activities
- Runner up at an AI + Blockchain hackathon where I built agents for autonomous communication and decision
- Organized and hosted a tech meetup of 150+ developers as a Tech team member of a DeCodeCafe community.
- Handled the logistics and smooth functioning of AI for Humanity track at the IEEE HTC as the coordinator.
- Student coordinator of my university's Research Activities Club

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