Gokul Prasath M

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LinkedIn | GitHub | Kaggle | Hugging Face | Leetcode

Objective

Aspiring AI researcher and software engineer skilled in advanced reasoning tasks, fine-tuning large language models, and building data-driven applications. Passionate about creating high-impact solutions using ML and generative AI.

Education

B.Tech, Artificial Intelligence & Data Science
Dr Mahalingam College of Engineering and Technology, Pollachi (2022 - Present)

Skills

Python, Java, C++; Data Structures & Algorithms; SQL, NoSQL; TensorFlow, PyTorch, Hugging Face, Transformers, LangChain, Gradio; Machine Learning, Deep Learning, Computer Vision, OpenCV, FastAPI, REST APIs; Azure, Power BI, Tableau; LLM Fine-tuning (PEFT, LoRA), RAG, Prompt Engineering.

Projects

• **Nika-1.5B(LLM)**: Finetuned DeepSeek R1 1.5B on the S1 dataset, designed for high-accuracy domain-specific question answering and advancing reasoning tasks. Link

• **S2 Dataset**: Scrapped and created 897K+ rows for LLM fine-tuning. Link

• **RAG Chatbot using Gemma-2-2B**: Built domain-specific chatbot with LangChain and ChromaDB. Link

• **Structured Data Generator**: Automated conversion of unstructured content to structured datasets with Gemini. Link

• **Formula 1 Driver Predictor**: Built a system with advanced feature engineering and ensemble models. Link

Internship

CIBIE, Pollachi - Software Development & Analysis (Jun-Jul 2024)
Worked on database schema design, SQL development, and data analysis for ERP modules.
Created and managed Entity-Relationship (ER) diagrams to design and understand database structures.

Achievements

- 11 trophies & 45+ badges on Microsoft Learn
- 26+ specialized certifications in AI, ML, and Data Science
- IBM badges: AI Fundamentals, Data Fundamentals, Big Data
- Accenture iAspire Gold level winner; 10+ AI/ML college-level awards.

Activities

Hackathons, Kaggle competitions, open-source contributions.