Gokul Sree Chandra Polavarapu

polavarapugokul@gmail.com — +91-6300405040 — LinkedIn - P Gokul Sree Chandra — GitHub - GokulAIx

PORTFOLIO - **GokulAIx**

EDUCATION

- **Gandhi Institute of Technology and Management (GITAM)** — Visakhapatnam, India
  Bachelor of Technology in Computer Science and Engineering (3rd Year) — August 2023 - Present

TECHNICAL SKILLS

- **Programming Languages** Python, SQL
- **GenAI and LLMs** LangChain, Retrieval-Augmented Generation (RAG), Prompt Engineering, Hugging Face, Transformers, LLM APIs (Google Gemini, Groq, OpenAI)
- **Deep Learning** Transformer Architecture, Encoder–Decoder Models, Fine-Tuning, Neural Network Architectures, Optimization (PyTorch)
- **Machine Learning** Supervised Learning (Regression, Classification), Regularization (L1 & L2), Feature Engineering, Model Evaluation: Accuracy, Precision, Recall, F1, Data Preprocessing (Normalization, Standardization, Missing Data Handling)
- **Libraries/Frameworks** PyTorch, Scikit-learn, NumPy, Pandas, NLTK, Sentence-Transformers, Flask, FastAPI

EXPERIENCE

- **Young Compete - Technical Internship (Full Time)** — July 2024 - January 2025
  Head of Technical Operations — Remote, India
  - Developed 3+ tech projects, including Prof Connect, enabling streamlined networking for 1,500+ students and teachers.
  - Automated data scraping from 5 sources for the off-campus placements page, utilizing APIs, and improved access rate by 30%.
  - Led a team of 10 members to deliver technical solutions, focusing on engagement and community building.

PROJECTS

- **1. VidQuery – AI YouTube Video Assistant**
  - Engineered a RAG-powered app which allows users to instantly get answers to any questions they have from a YouTube video within seconds.
  - Designed an interactive Streamlit UI that lets users query YouTube videos in real time and get answers using the Gemini Flash model.
  - Tech Stack: Python, LangChain, Google Gemini, Hugging Face, Sentence-Transformers (all-MiniLM-L6-v2), ChromaDB, Streamlit, Youtube Transcripts API module.
  - **GitHub** | **Live Demo**

- **2. Blaze - AI Web Page Summarizer and ChatBot - Chrome Extension**
  - A multi-functional AI browser extension providing instant summarization and enabling users to ask in-depth questions about any webpage's content.
  - This tool leverages a custom-built RAG pipeline and a Python/Flask API to deliver precise, AI-driven insights directly in the browser.
  - Implemented Map-Reduce for efficient Web-Page summarization, and ChromaDB for Vector Store.
  - Tech Stack: Python, LangChain, Google Gemini, Hugging Face, ChromaDB, JavaScript.
  - **GitHub**
  - **Demo Video On Linkedin**

CO-CURRICULAR ACTIVITIES

- Qualified Internal Hackathon 2025 for Smart India Hackathon (SIH) – Shortlisted for the first stage
- Co-Lead of Machine Learning and Artificial Intelligence at GitHub Community GITAM
- Participated in GDG (Google Developer Group) WOW 2025 Hackathon - contributed to the backend API for "Mama – Mind," an AI app for pregnant women with ChatGPT support