Gokul Sree Chandra Polavarapu

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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, LangGraph, RAG, Prompt Engineering, Hugging Face, Transformers, LLM APIs (Gemini, Groq, OpenAI), RAG Evaluation Metrics, Ragas, Trulens
- **Deep Learning** Transformer Architecture, Encoder-Decoder Models, Fine-Tuning, Neural Networks, PyTorch
- **Machine Learning** Supervised Learning (Regression, Classification), Regularization, Feature Engineering, Model Evaluation, Data Preprocessing)
- **Libraries/Frameworks** PyTorch, Scikit-learn, NumPy, Pandas, NLTK, Sentence-Transformers, Flask, FastAPI

EXPERIENCE

- **Fidura AI - Quant AI Intern (Full Time)** — October 2025 - Present / Remote, India

  - Engineered 1 AI agent orchestrator using LangGraph to automate complex quantitative workflows, from research to simulated execution.

  - Generated 5+ backend REST APIs (FastAPI) that allow the agent to connect to and control the financial tools.

  - Integrated 4+ custom financial tools for strategy backtesting, simulated order placement, and calculating hedge ratios for risk management.

- **Young Compete - Head of Technical Operations** — July 2024 - January 2025 / Remote, India

  - Led 3+ tech projects (e.g., Prof Connect) to streamline 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 10-member technical team to build community-focused engagement solutions.

PROJECTS

1. **VidQuery – AI YouTube Video Assistant**
   - Engineered a RAG-powered app with a Streamlit UI, enabling users to get real-time answers from YouTube videos of their choice (using Gemini Flash) in under 5 seconds.
   - 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**
   - Built a multi-functional AI browser extension providing instant summarization and enabling users to ask in-depth questions about any webpage's content and get answers in under 3 seconds.
   - Implemented an efficient RAG pipeline (using Map-Reduce, Flask, and ChromaDB) to deliver precise AI-driven insights, supporting 4 API calls per minute.
   - Tech Stack: Python, LangChain, Google Gemini, Hugging Face, ChromaDB, JavaScript.
   - [GitHub](#) | [Demo Video On Linkedin](#)

CO-CURRICULAR ACTIVITIES

- Qualified for Smart India Hackathon (SIH) 2025 (Internal Round)
- Serving as Co-Lead of Machine Learning and Artificial Intelligence at GitHub Community GITAM
- Contributed to backend API for "Mama Mind" (AI app) at GDG WOW 2025 Hackathon