

# J Glen Enosh

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## Education

**Indian Institute of Information Technology Kottayam (IIITK)**

*May 2027*

*B.Tech CSE with specialization in AI and Data Science*

CGPA: **9.32**

## Relevant Coursework

Deep Learning • Machine Learning • Natural Language Processing • Computer Vision • Statistical Learning Theory • Linear Algebra • Probability Theory • Statistical Methods • Data Mining • Big Data Analytics • Database Management Systems • Operating Systems • Computer Networks

## Professional Experience

**Granville-Tech**

*Jan 2025 - Present*

*Generative AI & NLP Intern*

- Led development of a **Multi-Agent Content Generator** by locally hosting **DeepSeek R1** with LM Studio for peak inference.
- Developed an entity-relationship extraction module using **LangChain** to construct a Knowledge Graph from scratch, saving it in Parquet format.
- Created **Personality Content Modulators** leveraging First Principle thinking to generate efficient, personalized content based on personality test insights.
- Implemented multi-agent orchestration using **LangGraph** for agent coordination, knowledge graph retrieval, bias mitigation, regeneration as needed, and human-in-the-loop integration.

**NCCR, Ministry of Earth Sciences, Government of India (NCCR)**

*May - Jun 2024*

*Deep Learning Research Intern*

- Developed a **Cold Wave Prediction** model for **Delhi** using **ensemble transformers**, achieving **95% accuracy**.
- Optimized performance with **PyTorch**, **Hydra**, and efficient data handling via **X-Array** & **NETCDF4**.

## Key Projects

- **ClaimBeaver (ClaimBeaver)** — *LangGraph, LangChain, FastAPI, Supabase* **March 2025**
  - Developed an agentic claims processing workflow that automates data validation, inconsistency detection, and query routing. Utilizing a locally hosted Llama 3.2 8B model, the solution enhances data privacy and expedites claim resolutions.
  - Developed a FastAPI microservice using LangChain and LangGraph to handle routine inquiries and generate visual reports with actionable claim insights.
  - Designed an efficient AI voice agents using Retell AI for hands-free onboarding and real-time multilingual support.
- **Imprint (Imprint)** — *LangChain, Flask, MySQL, JavaScript, HTML, CSS* **October 2024**
  - Built an intelligent flashcard application leveraging LLMs and SM2 spaced repetition algorithm.
  - Engineered a RAG pipeline with LangChain for automated query generation and content retrieval, reducing manual content creation time by 80%.

## Technical Skills

- **Programming Languages:** Python, C, C++, Java, MySQL, MongoDB, JavaScript, PHP
- **Developer Tools:** LM Studio, Google AI Studio, Neo4j, Postman, Anaconda Navigator, GitHub, Git
- **Frameworks:** LangChain, LangGraph, PyTorch, FastAPI, Flask, Scikit-learn, Streamlit, NumPy, Pandas

## Accomplishments

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- **Led a team of 3** that **won** the **Mozilla RCC Responsible Computing Ideathon**, organized by **Mozilla RCC** and **FACTS-H Lab**, securing a research internship opportunity with Mozilla RCC. *January 2025*
- **Led a team of 3** that was recognized for building the **best prototype** at *Bit and Build Around the World 2024*, held in Kerala and organized by **Google Developers Group**, Kochi (GDG Kochi). *October 2024*
- **Member of the Core Team** at *Enigma*, the Official AI/ML Club of IIIT-K *February 2024 - Present*
  - Hosted a **LLM CTF (Capture the Flag)** event with over 100 participants.
- **Research Assistant** *December 2023 - June 2024*
  - Collaborated with **Dr. Jobin Jose** from IIIT-K on a project involving **Recommender Systems**, utilizing Neural Collaborative Filtering to optimize cache memory usage.
- Qualified for the *Internal Hackathon* for **Smart India Hackathon 2024 (SIH 2024)**.