

OBJECTIVE

GenAI Developer with hands-on experience in LLM fine-tuning, Retrieval-Augmented Generation (RAG), and pipeline development using LangChain, LangGraph, and transformer-based models. Proven internship experience in applying secure and scalable GenAI solutions in real-world domains like healthcare and cybersecurity.

SKILLS

AI Engineering

- **GenAI LLM Development** - LangChain, LangGraph, RAG (Retrieval-Augmented Generation), Prompt Engineering, Model Context Protocol (MCP), Fine-tuning LLMs, Transformers
- **Machine Learning & Deep Learning** - Model training and experimentation with Python-based ML/DL frameworks
- **Backend & API Development** - FastAPI, Django, RESTful APIs
- **Data Management** - SQL, PostgreSQL
- **Infrastructure & Tooling** - Docker, LLM tracing monitoring tools, containerized environments

General

- **Language Skills** - Tamil, English

EXPERIENCE

SQ1

Chennai, India

GenAI Intern

2024.12–2025.06

- Worked on fine-tuning domain-specific NER models in healthcare and medical datasets using transformer-based LLMs.
- Applied LangChain and LangGraph to develop LLM pipelines for secure VAPT (Vulnerability Assessment and Penetration Testing) automation.
- Integrated Retrieval-Augmented Generation (RAG) with custom knowledge bases to enhance LLM reasoning and context-awareness.

EDUCATION

Sree Saraswathi Thyagaraja College Pollachi

B.Sc Artificial Intelligence & Machine Learning

2022–2025

- Secured 81% overall percentage

PROJECTS

- Built a GenAI chatbot integrating tools using Ollama and LangChain 2025
- Implemented a Hybrid RAG system with Groq, supporting JSON, CSV, PDF, and TXT inputs for dynamic context injection 2025
- Developed a Deepfake Detection system using GAN-based Deep Learning architecture 2024

CERTIFICATIONS

- **Introduction to Generative AI** – Google 2025
- **Introduction to Retrieval-Augmented Generation (RAG)** – Duke University 2025
- **Machine Learning with Python** – E&ICT Academy, IIT Kanpur 2024
- **Data Mining** – NPTEL 2023
- **Database Management Systems** – NPTEL 2023
- **Python Programming** – GUVI 2022