

LOKESHWARAN S

coimbatore, Tamilnadu | lokeshwarans1221@gmail.com | +91-7548818921

linkedin.com/in/lokeshwaran-s-984035291 | github.com/Lokeshwaran-12

PROFESSIONAL SUMMARY

AI Engineer with practical experience building and deploying LLM-based systems, including fine-tuned language models, RAG pipelines, and multimodal applications. Strong background in Tamil NLP, Vision-Language Models, and end-to-end AI system development using FastAPI and Docker.

EXPERIENCE

LLM Intern – Igloosoft pvt lmt, Chennai

June - July 2025

- Fine-tuned LLaMA using LoRA with RAG on TN State Board textbooks for a NEET tutoring system.
- Deployed a FastAPI backend supporting real-time, structured multilingual Q&A.

Karunya Hacks - Karunya University

Dec 2024 - Present

- Developed and deployed multiple Generative AI prototypes through hackathons and collaborative innovation projects.

PROJECT

Tamil Nadu Citizen Services Chatbot

- Built a bilingual (Tamil/English) RAG-based chatbot using a fine-tuned Tamil LLM to answer government service queries reliably.

Tamil Story Generator using LLM

- Designed a GenAI system to generate Tamil stories and advertisement content, integrated with Tamil TTS for voice output.

Medical Handwritten Prescription Extraction (VLM)

- Fine-tuned a Vision-Language Model to extract handwritten prescriptions and convert them into structured JSON for EMR integration.

LLM Deployment & MLOps Pipeline

- Containerized and deployed fine-tuned LLMs using Docker and FastAPI with API testing, cloud deployment, and model versioning.

TECHNICAL SKILLS

- | | | | |
|--------------------|-------------------------|-------------------------|---------------------|
| • Machine Learning | • Large Language Model | • AI automation | • Backend - FastAPI |
| • Deep Learning | • Vision Language Model | • Crew AI / AutoGen | • Docker / Linux |
| • Generative AI | • RAG / LlamaIndex | • LangChain / langGraph | • n8n Automation |
| • Agentic AI | • Google Cloud Platform | • TTS, STT | • MLOps & DevOps |

EDUCATION

B.Tech – Computer Science and Engineering (AI Specialization)

Aug 2023 - May 2027

- Karunya Institute of Technology and Sciences, Coimbatore

ACHIEVEMENTS & CERTIFICATIONS

- 2nd Prize – StartupTN “தமிழ்” Language Technology Hackathon
- Languages: English, Tamil
- Awards/Activities: Member, Rotaract Club - Karunya University

Certifications:

- DeepLearning.ai – Machine Learning, LangChain
- Cisco NetAcad – Programming in C and Python
- Infosys – IoT Course, Java Course, Gen ai
- NVIDIA – Generative AI Course