

# 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 – Iglowsoft 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 / LlamalIndex     | • 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 “தமிழி” 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