

SRIMONEYSHANKAR AJITH

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PROFESSIONAL SUMMARY

Third-year CSE student at IIIT Kottayam building and deploying agentic AI systems end-to-end - from model fine-tuning and RAG pipelines to **production multi-agent platforms** and the self-hosted infrastructure that runs them. Shipped a LangGraph + FastAPI content-orchestration platform to a **client-facing VPS** with Docker Compose, Instructor + Pydantic structured outputs, and human-in-the-loop approval gates - the kind of ship-it-at-the-client's-site systems integration work core to forward-deployed and AI/ML engineering roles. Operates a homelab of **5+ self-hosted services** (Ollama, n8n, Hermes Agent, OpenClaw) behind a Tailscale VPS network, fine-tuned an **8B-parameter LLM** with Unsloth/QLoRA, and applies RAG, prompt engineering, and observability/logging discipline across every deployment. Maintains **3 published Python packages on PyPI** (sympath, warpclean, notegen) with **2,950+ combined downloads**.

WORK EXPERIENCE

Powerede Software Solutions

May 2026 - Jul 2026

AI & Automation Intern

- Engineered and deployed a **production** multi-agent content orchestration platform (LangGraph + FastAPI) to a **client-facing VPS**, containerizing the full stack with Docker for repeatable deployment.
- Designed a cyclic graph with Instructor + Pydantic for **strict structured outputs** and persistent-state **human-in-the-loop** approval gates; centralized logging across all prompt iterations and model responses.

CliffGuard Cybersecurity

Apr 2025 - Aug 2025

Network Security Intern

- Conducted web and network vulnerability assessments across **TCP/IP traffic, Linux services, and access controls** using Nmap, Wireshark, Nessus, Metasploit, and Burp Suite - infra-hardening skills directly applicable to production DevOps environments.

Google Developer Groups & Enigma AI/ML Club, IIIT Kottayam

Sep 2025 - Present

Operations Lead (GDG) & AI/ML Club Lead (Enigma)

- Coordinate developer events, workshops, and hackathons as GDG Operations Lead; as Enigma Lead, organized a campus-wide LLM distillation marathon where members fine-tuned an **8B-parameter model** using Unsloth + QLoRA on synthesized club-knowledge datasets.

PROJECTS

OfflineID - Offline Face Auth for Field Personnel

[github](#)

React Native, ONNX Runtime, ArcFace, SQLite, AES-256-GCM

- Built fully offline face recognition + liveness detection for zero-network field environments: **4 ONNX models, 9.1MB bundle, ~51ms** inference on a mid-range ARM CPU-only device.
- Two-layer liveness (passive anti-spoof + randomized active gesture) with AES-256-GCM encrypted faceprints and presigned-URL S3 sync on reconnect.

ducktype - Code-First Typing Practice

[github](#) · [live](#)

TypeScript, CSS, Shell

- Monkeytype-quality typing practice purpose-built for real code - syntax highlighting, multi-line snippets, and IDE mode for practicing on actual language syntax.

notegen - YouTube/Web → Obsidian Notes

[github](#) · [pypi](#)

Python, LiteLLM, Ollama

- Converts YouTube/web content into structured Obsidian notes via **5 interchangeable LLM providers** (LiteLLM), including fully local inference through Ollama.

COP - AI Content Orchestration Platform

LangGraph, FastAPI, Next.js, Docker

- Multi-agent LinkedIn content pipeline deployed as a **client-facing production system** on Docker Compose, with HITL approval gates and structured outputs.

Homelab AI Stack - Self-Hosted LLM & Automation Infra

Docker Compose, Ollama, n8n, Tailscale

- Self-host and operate **5+ services** for local LLM inference and agentic automation across managed Docker stacks, networked over Tailscale - full DevOps lifecycle: provision, monitor, patch.

EDUCATION

B.Tech in Computer Science and Engineering - IIIT Kottayam

Aug 2024 - Aug 2028

CGPA: **9.90/10**

SKILLS

Languages: Python, C, C++, Java, JavaScript, TypeScript, Bash, SQL

Agentic AI & Orchestration: LangGraph, FastAPI, Pydantic, LiteLLM, n8n, RAG, HITL workflows, structured outputs

MLOps & Deployment: Docker, Docker Compose, VPS deployment, Tailscale, Ollama, Unsloth, QLoRA, GGUF quantization

Systems, Web & Databases: Linux/Unix, TCP/IP, Nmap, Wireshark, Burp Suite, React, Next.js, MySQL, Supabase

AWARDS & ACHIEVEMENTS

Amazon ML Summer School 2026 - selected participant - **2nd Place**, Google BitnBuild Hackathon 2024 (State) - **Finalist**, Shaastra 2025 CTF (IIT Madras), BeachHack Season 7, Airtribe Hackathon - **Rajya Puraskar**, state-level scouting award - **150+ LeetCode** problems solved