

VIMALA DEVI S

AI/ML Engineer · Generative AI Specialist · MCA 2027

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PROFESSIONAL SUMMARY

AI/ML Engineer building production-grade intelligent systems — from fine-tuned transformer pipelines to multi-agent orchestration platforms. Experienced across AWS and GCP cloud deployment, full-stack delivery, and cloud PLM tooling (Siemens Teamcenter). Proven at moving models from notebook to deployment, translating AI performance into real-world outcomes, and shipping full-stack products end-to-end.

EXPERIENCE

Full Stack Engineer Intern | Savyasasy Software Solutions *Aug 2026 – Present*

Teynampet, Tamil Nadu, India · On-site · MERN Stack

- Full-stack engineering internship focused on the MERN stack, covering modern web application development.
- Engineering GRADit, a real-time Student & College Management System — owning API design, frontend delivery, and cross-team backend/database integration.

AI Automation Engineer | Ulavi Technologies Pte Ltd *May 2026 – Present*

Chennai, Tamil Nadu, India · On-site · Workflow Management · Automation

- AI automation internship focused on workflow management and automation solutions.

AI/ML Intern — Audio Classification | Neurosense (Remote) *2025*

- Re-architected an ASD detection pipeline, raising accuracy from 40% to 83.67% through advanced audio feature extraction and Wav2Vec 2.0 fine-tuning.
- Engineered noise-robust preprocessing for clinical-grade audio, bridging model performance and clinical decision-making.

AI/ML Intern — LLM Systems | PMCGS (Remote) *2025*

- Built an LLM-powered evaluation engine reaching 90% accuracy on real-time learner assessment via fine-tuned transformer models.
- Shipped a production inference API on GCP with FastAPI, iterating live through continuous deployment.

PROJECTS

ResQRroute (NER-RouteRescue AI) | Smart India Hackathon 2026 — Team Hack-o-Heist

Angular 19 PWA · Django + DRF · PostgreSQL/PostGIS · NetworkX

- Co-originated and led UI/UX and backend integration for a disaster-aware freight routing platform submitted for SIH26002 (MDoNER's AI-Based Smart Logistics and Accessibility Intelligence Platform for NER).
- Designed a cargo-priority-aware, risk-weighted rerouting engine with an offline-first PWA for connectivity-poor Northeast India corridors.

Kairos | AI-Powered Inclusive Job Portal — Capstone

Full-Stack · LLM Integration · Product Architecture

- Architected an end-to-end job platform connecting people with physical and mental challenges to inclusive employers, across four integrated modules: intelligent job discovery, applicant profiling, AI-guided matching, and application tracking.

Flora AI | IoT Smart Fogponics System — Gold Medal, SaRaM 2026

ESP8266 · GPT-4o · MQTT · Sensor Telemetry

- Built an AI decision layer reading live sensor telemetry and autonomously issuing actuation commands for real-time environmental control.

CodeLore | Multi-Agent Developer Platform — Quackathon 2026

TypeScript · Multi-Agent Orchestration · GitHub Webhooks · RAG

- Designed an orchestrator routing GitHub event to specialist agents for automated documentation, Q&A, and repository cleanup.

EDUCATION

MCA — Generative AI | *SRM Institute of Science and Technology, Ramapuram* · 2025 – 2027 · GPA 9.25/10

B.Com — Information Systems & Management | *SDNB Vaishnav College for Women* · 2020 – 2023 · CGPA 7.93/10

SKILLS

AI / ML: Deep Learning · NLP · RAG · Model Fine-Tuning · IoT-AI Integration

Cloud & PLM: AWS · GCP · Siemens Teamcenter (Cloud PLM) · Containerization

Engineering: Python · TypeScript · MERN/MEAN Stack · Django · PostgreSQL · REST APIs

Core CS: DSA · OOP · DBMS · Operating Systems · Computer Networks

CERTIFICATIONS & LANGUAGES

Google Cloud Fundamentals · Zoho Books — Accounting · 1st Prize, SaRaM 2026 (AI & Generative AI, Score 78)

Tamil (Native) · English (Fluent) · Korean (Reading & Writing)