

PRAVEEN S

+91 63694 93352 | saravananpraveen1157@gmail.com | linkedin.com/in/praveen-s57 | github.com/PRAVEEN1000-7

EDUCATION

K.S. Rangasamy College of Technology

Sep 2023 – Jul 2027

B.E. in Computer Science and Engineering (Artificial Intelligence and Machine Learning)

CGPA: 9.2/10

Tiruchengode, India

TECHNICAL SKILLS

Programming Languages: Python, SQL, Java

AI/ML Technologies: Artificial Intelligence, Machine Learning, Generative AI

Backend & APIs: FastAPI, SQLAlchemy, JWT, REST APIs

DevOps & Cloud Deployment: Microsoft Azure, Azure AI Services, CI/CD, GitHub Actions, DigitalOcean, Nginx

Databases: MySQL, PostgreSQL

Tools & Platforms: Git, GitHub, Prometheus, Grafana, Docker, Linux, PuTTY, WinSCP

WORK EXPERIENCE

Mecandria IT Services & Solutions

Feb 2026 – Apr 2026

Software Engineer Intern

Hosur, India

- Contributed across the SDLC, from planning and development to unit, regression, and A/B testing, as part of a team building a **Hospital Management System (HMS)** used by real clients.
- Provisioned and managed **3 Linux cloud servers** (staging and production) on **DigitalOcean**, configuring **Nginx**, domain mapping, and **HTTPS/SSL** for secure access.
- Automated deployments with **GitHub Actions CI/CD** and cron-based crash/reboot recovery and DB backups, plus **Prometheus and Grafana** monitoring over a secure **Tailscale** tunnel, hardened with **UFW** and web firewalls.

Infosys Springboard

Nov 2025 – Jan 2026

Data Scientist Intern

Virtual

- Developed **EnviroScan**, an end-to-end AI platform that analyzed **106K+ environmental records** from 49 Indian locations using **OpenAQ**, **OpenStreetMap**, and **Open-Meteo APIs**.
- Engineered a 13-feature geospatial dataset and optimized an **XGBoost** model with **SMOTE** and 5-fold cross-validation, achieving **92.26% accuracy** and **92.29% F1-score**; built a real-time interactive **dashboard** with geospatial visualizations, automated alerts, and PDF reports.

PROJECTS

Mecandria ERP [link]

- Built a **multi-tenant ERP SaaS** covering procure-to-pay, order-to-cash, inventory, and accounts, with modules for Finance, Sales, Dashboards, and Reports across multiple client organizations.
- Engineered a **GST-compliant billing engine** handling intra-state, inter-state, UTGST, and export scenarios, generating GSTR-1/2/3B returns and P&L statements accurate for statutory filing.
- Deployed and operated the ERP on cloud infrastructure lacking any automation, engineering **CI/CD pipelines**, **continuous monitoring**, and cron-based jobs that auto-restored services and backups after crashes or reboots, cutting downtime and manual intervention.

Complaint Priority Orchestration System [link]

- Built an AI-driven **complaint routing and prioritization platform** to replace a fully manual dispatch process, automating **100%** of initial ticket routing via a multi-agent pipeline using **Llama 3.3 (via Groq)**.
- Classified complaint domain, assessed urgency, and assigned a P1–P4 priority level to auto-route tickets to the correct Domain Head with a generated explanation, backed by **JWT-based RBAC** and output validation for reliability.

GLOBAL CERTIFICATIONS

- Microsoft Certified: Azure AI Engineer (AI-102)
- Microsoft Certified: Azure Data Scientist (DP-100)
- Microsoft Certified: Azure Fundamentals (AZ-900)
- Oracle Certified Generative AI Professional
- Anthropic Claude Certified Architect – Foundations
- Advanced Diploma in Python Programming