

Siva Sudhamsh Gandikota

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SUMMARY

Computer Science student (AI specialization) with hands-on experience in machine learning and full-stack development. Fine-tuned ML models achieving 92% accuracy at Vishwam AI internship while building production applications serving 500+ concurrent users for freelance clients. Proficient in RESTful microservices (FastAPI, Node.js), computer vision (YOLO), and deploying scalable systems. Passionate about applying AI to solve real-world problems.”

EDUCATION

Gokaraju Rangaraju Institute of Engineering and Technology Sep 2023 – Jun 2027
B.Tech in Computer Science Engineering (Artificial Intelligence Specialization)

SKILLS

Backend & APIs: FastAPI, Express, Node.js, REST, Microservices, JWT, Flask

Languages: Python, JavaScript, TypeScript, Java

AI/ML: Scikit-learn, YOLO, Model Fine-Tuning, Feature Engineering, MLOps

Frontend: React, Next.js, Redux, Tailwind

Databases: PostgreSQL, MySQL, MongoDB, Redis

Cloud & DevOps: Docker, Azure, AWS, Linux, Git, CI/CD

EXPERIENCE

Summer AI Intern — Vishwam AI (Swecha, Open-Source NGO) Jun 2025 – Present

- Fine-tuned Random Forest and XGBoost models on 50K+ datasets, improving accuracy from 84% to 92% through feature engineering (PCA, polynomial features) and GridSearchCV optimization.
- Optimized Python preprocessing pipelines reducing training time from 45 to 12 minutes; designed reproducible ML workflows with DVC versioning, enabling 4-member team collaboration and 99.5% uptime for production endpoints.

Freelance Full-Stack Developer — SaaS Clients Mar 2025 – Present

- Delivered 2 full-stack applications 2 weeks ahead of schedule with 100% client satisfaction; implemented JWT authentication and RBAC for 200+ users with zero security incidents.
- Built RESTful APIs handling 5K+ daily requests with 99.8% uptime; optimized PostgreSQL queries and Redis caching, reducing response time from 800ms to 120ms (85% improvement).

PROJECTS

AutoTuning.AI — AI-Powered Vehicle Diagnostics Platform

- Engineered full-stack AI platform achieving 87% fault detection accuracy across 20+ vehicle parts, reducing diagnostic time from 30 minutes to under 2 minutes.
- Integrated YOLO models for real-time part recognition (92% mAP, 3s processing); built FastAPI/Node.js deployed Docker containers on AWS
- **Tech Stack:** Next.js, Node.js, FastAPI, MongoDB, YOLO, Docker, JWT, AWS

KL Radio — University Digital Broadcasting Platform

- Built live streaming platform serving 500+ concurrent users with zero downtime; implemented role-based authentication reducing content publishing from 15 minutes to real-time.
- Developed WebSocket-integrated APIs handling 200+ real-time interactions per session with sub-second latency.
- **Tech Stack:** React, Next.js, Node.js, Express, MongoDB, WebSockets, JWT

CERTIFICATIONS

Oracle AI Vector Search

Microsoft Azure Fundamentals (AZ-900)

IEEE AI & Big Data

ACHIEVEMENTS

Vice-President & PR — Free Software Wing, GRIET

- Led 24-hour hackathon with 200+ participants; secured \$5K+ sponsorships from 3 tech companies, resulting in 15+ working prototypes and 85% participant satisfaction rating.
- Conducted 6 technical workshops for 200+ students on full-stack development and AI/ML, with 90% completion rate and 40+ students securing internships using skills learned.