

# Siva Sudhamsh Gandikota

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## Summary

Applied-AI focused **Software Engineer** with strengths in **backend** and **full-stack** development. Build pragmatic AI features and data-driven web apps using Python (FastAPI), JavaScript/TypeScript (Node.js/Next.js), and cloud (Azure/AWS). Experienced with authentication/authorization (JWT), RESTful APIs, microservices, CI/CD, and performance optimization. Seeking roles where AI enhances reliable, scalable software.

## Skills

**Languages:** Python, JavaScript, TypeScript, Java, C, C++  
**Backend/Frameworks:** FastAPI, Express.js, Node.js, RESTful APIs, Microservices, JWT, Flask (basic)  
**Frontend:** React.js, Next.js, Redux, Tailwind CSS  
**Databases:** PostgreSQL, MySQL, MongoDB, Redis  
**Cloud & DevOps:** Azure, AWS, Docker, Linux, Git, GitHub Actions, CI/CD, Postman  
**Practices:** Agile/Scrum, Unit Testing, Code Reviews, DSA

## Experience

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

- Trained and fine-tuned ML models on curated datasets, improving validation accuracy by **8–12%** through standardized preprocessing and evaluation.
- Implemented dataset versioning and experiment tracking for reproducibility and faster iteration in **Agile/Scrum** cycles.
- Contributed to feature planning, code reviews, and CI/CD pipelines for reliable deployments.

## Projects

**Virtual Intern Pro — Ed-Tech Internship Platform (Live | Code)** Freelance

- Built and deployed a production-ready platform using **Next.js**, **Tailwind CSS**, and **Vercel**; reduced page-load time by **35%** via performance improvements.
- Implemented secure auth and role-based dashboards to streamline user flows and reliability.
- Tech Stack:** Next.js, Tailwind CSS, Node.js, Vercel, JWT

**Gov Connect — Unified Government Services (Live | Code)**

- Developed a full-stack platform centralizing **50+** services across **25+** departments with a unified interface and **JWT**-based access control.
- Designed RESTful endpoints and integrated database operations for reliable, scalable workflows.
- Tech Stack:** React, Express.js, Node.js, MongoDB, JWT

**Mana-Sambaralu — Cultural Tourism (Live | Code)**

- Built a community platform featuring **30+** festivals; added secure submissions and moderation with a **FastAPI** backend.
- Enhanced UI/UX with Streamlit components to increase engagement and time-on-page.
- Tech Stack:** Python, FastAPI, Streamlit, HTML/CSS

## Certifications

- Oracle: **AI Vector Search Certification**
- Microsoft: **Azure Fundamentals (AZ-900)**
- IEEE: **AI & Big Data Certification**
- HackerRank: Python, React, Problem Solving

## Leadership & Activities

**Vice-President & PR — Free Software Wing, GRIET** Aug 2024 – Present

- Led a team to host a **24-hour hackathon** with **200+** participants; secured sponsorships and coordinated cross-functional logistics.
- Conducted workshops for **200+** students on web development and AI fundamentals; mentored project teams.

## Achievements

- Organized a national-level hackathon with **200+** participants and sponsors.
- Recognized for mentorship and student technical development at GRIET.