Lakshmi Sri Sai Ganesh Vathumilli

LinkedIn: linkedin.com/in/ganesh097
Github: github.com/mc095

Email: ganeshvathumilli@gmail.com
Portfolio: ganeshvath.netlify.app
Mobile: +91-800-8149-866

OBJECTIVE

Aspiring Software Engineer with hands-on experience in full-stack development, cloud, and AI/ML Technologies. Eager to contribute to cutting-edge projects by leveraging skills in Web technologies, Cloud and Gen AI.

EDUCATION

- **Sri Vasavi Engineering College** — Tadepalligudem, AP, India
  Bachelor of Technology - Computer Science and Engineering; GPA: 8.37 / 10.0 — 2022 - Present

- **Sasi Junior College** — Tadepalligudem, AP, India
  BIEAP - PCM; Score: 949 / 1000 — 2020 - 2022

- **Mahati EM High School** — Tadepalligudem, AP, India
  BSEAP - SSC; Score: 543 / 600 — 2020

SKILLS SUMMARY

- **Languages**: C, C++, Python, TypeScript, Java, Rust, SQL, NoSQL
- **Frameworks**: Next.Js, Node.Js (express), Django, Ruby, Springboot (Fundamentals)
- **Tools**: GIT, Github, Docker (Fundamentals)
- **Platforms**: RHEL9, Azure (Fundamentals)
- **Soft Skills**: Leadership, Event Management, Writing, Public Speaking, Project Management

EXPERIENCE

- **Technical Intern** — Bhopal, Maharashtra
  Passionett — July 2025 – Present
  - Maintained and optimized backend services for a SaaS Platform using Node.js, managing AWS serverless infrastructure for high availability and scalability.

- **Full Stack Developer Intern** — Uttar Pradesh, India
  Sysbolt Technologies — Jan 2024 – Mar 2024
  - Developed features and refactored a TypeScript-based web platform, collaborated using Git and ticketing tools, and administered Azure services with PostgreSQL for optimized deployments and data integrity.

PROJECTS

- **WiChain – Decentralized LAN Chat (Blockchain, Rust, React)**: Developed a secure, peer-to-peer LAN chat using React + Tauri UI and a Rust backend. Implemented message signing, an append-only blockchain for storage, and a trust scoring system. (View Project) (GitHub)

- **LUMA – AI Voice Assistant (AI + Speech)**: Developed a real-time voice assistant using Groq LLaMA 3.1 and Moonshine ASR for speech-to-text and text-to-speech, enabling seamless, privacy-friendly conversational AI directly in the terminal. (GitHub)

- **LMS-SVEC – Learning Management System (Django + Streaming)**: Built a scalable LMS for Sri Vasavi Engineering College with Django and Bootstrap, featuring HLS video streaming, user management, and bulk uploads to enhance digital learning access for students and staff. (View Project) (GitHub)

- **Jewellery Mart – E-Commerce Platform (Spring Boot + React)**: Engineered a full-stack jewellery e-commerce site with Spring Boot backend and React frontend, implementing secure authentication, product/order management, and an admin dashboard for streamlined online sales. (View Project) (GitHub)

CERTIFICATIONS

Microsoft Azure Fundamentals - Microsoft	Microsoft Azure AI Fundamentals - Microsoft
MongoDB Certified Developer Associate - MongoDB	Github Foundations - Github
Salesforce Certified AgentForce Specialist - Salesforce	Fundamentals of RHEL-9 - Edx

PUBLICATIONS

- **WiChain: Rust-Powered Blockchain for Localized Secure Messaging**: (Published) An IEEE-affiliated research paper on a decentralized LAN chat system. WiChain ensures secure, tamper-evident communication using a blockchain-backed ledger with Ed25519 signatures and SHA3-512 XOR obfuscation.

- **Penetration Testing and Metasploit**: (Presented) Presented this paper at the International Conference on Computer Science and Information Technology (ICCSIT) in Chennai, India, on April 7, 2024.

VOLUNTEER EXPERIENCE

- **ML and DL Lead [BBSC X SVEC]** — Andhra Pradesh, India
  Conducted online and offline technical & soft-skills training impacting over 2000 students. — Oct 2024 - Jul 2025

- **Programming Lead at Google Developers Group, SVEC** — Andhra Pradesh, India
  Organized events, conducted workshops and delivered workshops reaching over 1500 developers. — Nov 2024 - Aug 2025