

Lakshmi Sri Sai Ganesh Vathumilli

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OBJECTIVE

Aspiring Software Engineer with hands-on experience in full-stack development, cloud computing, and AI. Eager to contribute to cutting-edge projects by leveraging skills in web technologies and Generative AI.

EDUCATION		
• Sri Vasavi Engineering College	Tadepalligudem, AP, India	
• <i>Bachelor of Technology - Computer Science and Engineering; GPA: 8.37 / 10.0</i>		2022 - Present
• Sasi Junior College	Tadepalligudem, AP, India	
• <i>BIEAP - PCM; Score: 949 / 1000</i>		2020 - 2022
• Mahati EM High School	Tadepalligudem, AP, India	
• <i>BSEAP - SSC; Score: 557 / 600</i>		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, India	
• <i>Passionett</i>		July 2025 – Present
◦ Optimized a SaaS backend with TypeScript and Express.js, building scalable microservices with AWS Lambda, API Gateway, Cognito, and DynamoDB to ensure high-availability and security.		
• Full Stack Developer Intern	Lucknow, Uttar Pradesh, India	
• <i>Sysbolt Technologies</i>		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		
• Notion Campus Leader (SVEC)	Andhra Pradesh, India	
• <i>Organized workshops and events to promote Notion AI workflows to students and staff.</i>		Aug 2025 - Present
• Programming Lead at Google Developers Group (GDG), SVEC	Andhra Pradesh, India	
• <i>Organized and delivered workshops and events, reaching over 1500 student developers.</i>		Nov 2024 - Aug 2025