

PENKEY SRI VASU

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Professional Summary

Software Engineering student with hands-on experience designing, building, and deploying AI-powered, cloud-native full-stack applications using React.js, Node.js, Spring Boot, PostgreSQL, Docker, and AWS. Passionate about product engineering, scalable backend systems, and delivering secure, real-world software solutions through modern engineering practices.

Skills

Languages: Java, Python, JavaScript, SQL, HTML/CSS

Frameworks & Databases: Spring Boot, React.js, Node.js, Express.js, PostgreSQL, MySQL, MongoDB

Cloud & DevOps: AWS, GCP (Cloud Run), Docker, Vercel, Render, GitHub Actions, CI/CD Pipelines

OS & Networking: Windows, Linux, TCP/IP, DNS, DHCP, Computer Networks

Tools & Technologies: Git, GitHub, Postman, IntelliJ IDEA, VS Code, RESTful APIs, WebSocket, Groq API, Deployment Basics

Languages (Human): English, Hindi, Telugu

Professional Experience

Full Stack Developer (Freelance)

Jan 2026 – Present

Self-Employed, Remote

- Developed and maintained 4+ full-stack web apps using Spring Boot, React, PostgreSQL, and Docker across AWS, Render, and Vercel.
- Integrated RESTful APIs, WebSocket channels, third-party services into Spring Boot microservices with CI/CD pipelines; cut deployment time by 50%.
- Developed an AI-powered chat application using Groq API and real-time WebSocket communication, containerized with Docker for cloud deployment.

Open Source Developer

2025 – Present

GitHub, Remote

- Maintained 5+ open-source repositories with clean architecture and Git best practices; contributed 100+ commits across full-stack and AI projects.
- Built and published an AI-powered CS tutor chatbot using Groq API (Llama model) with Vercel serverless backend; handles 50+ concurrent sessions with secure API key management.

Projects

DocSign — AI-Powered Digital Document Signature Platform

- Built a cloud-based platform enabling users to upload, digitally sign, share, and manage PDF documents securely, replacing inefficient paper-based workflows.
- Implemented the full stack with React.js, Node.js, Express.js, PostgreSQL (Supabase), and Prisma; added JWT authentication, AI-powered document summarization, public signing links, audit logging, and automated email notifications via Nodemailer.
- Deployed a scalable multi-cloud app — frontend on Vercel, backend on AWS Elastic Beanstalk — with Cloudflare integration for secure, production-ready delivery.

Technologies Used: *React.js, TypeScript, Node.js, Express.js, PostgreSQL, Supabase, Prisma, AWS Elastic Beanstalk, Vercel, Cloudflare* [Live Demo](#) | [GitHub](#)

CivilianShield — AI-Powered Civilian Safety Platform

- Architected and shipped a full-stack civilian safety platform from scratch; production-ready with 5+ REST API endpoints serving real users.
- Built SOS alert system, incident mapping, and emergency contact module — iterated across 3 major versions to reach final stable release.
- Integrated an AI-based threat detection pipeline to automate emergency alert handling and improve response efficiency.

Technologies Used: *Spring Boot, REST API, H2, WebSocket, React* [Live Demo](#) | [GitHub](#)

Skill Gap Analyzer — AI Career Intelligence Tool

- Built and launched an AI-powered career intelligence platform that analyzes resumes against job descriptions and generates prioritized skill-gap reports in under 3 seconds.
- Leveraged Groq LLM for rapid inference; streamlined resume and job description analysis using AI-powered insights.

Technologies Used: *React, Node.js, Vercel* [Live Demo](#) | [GitHub](#)

Education

Parul University, Vadodara, Gujarat

2023 – 2027

Bachelor of Technology – Computer Science Engineering | CGPA: 7.25/10

Narayana Junior College, Kakinada, AP

Mar 2023

Intermediate (MPC) | 826/1000, Grade A

Narayana EM School, Kakinada, AP

Jun 2021

SSC | 557/600, 92.83%

Certifications & Training

NPTEL – Computer Networks (IIT Kharagpur) | HackerRank – Java | HackerRank – SQL | JPMorgan Chase – SE Job Simulation
| Deloitte – Data Analytics Simulation | Infosys Springboard – Python Fundamentals