

venu prasad a

Bengaluru, India | +91-6360793978 | venuprasad.153@gmail.com | linkedin.com/in/venuprasad15 | github.com/vinsmokejazz

SUMMARY

Software Engineer with 1+ year of internship experience building full-stack applications, cloud-native infrastructure, and AI-powered systems. Proficient in React.js, Next.js, Node.js, PostgreSQL, MongoDB, Docker, and REST API development. Experienced in designing scalable solutions, automation workflows, and production-grade software used in real-world environments.

TECHNICAL SKILLS

- Languages: JavaScript, TypeScript, Java, Python, SQL, C*
- Frameworks & Libraries: React.js, Next.js, Node.js, Express.js, Redux, Tailwind CSS, LangChain*
- Databases & Backend: PostgreSQL, MongoDB, MySQL, Redis, Prisma ORM, Drizzle ORM, REST APIs*
- Tools & Platforms: Git, GitHub, Docker, Linux, Postman, BullMQ, MCP*

WORK EXPERIENCE

HackCulture | Software Engineering Intern

Aug 2025 – May 2026

- Developed and optimized responsive web applications using Next.js, React, and TypeScript, reducing page load times by 40% through code splitting, lazy loading, and performance optimization.
- Built and maintained 20+ reusable UI components and integrated REST APIs, improving development efficiency and ensuring consistent user experiences across multiple application modules.
- Collaborated on frontend and backend feature development, contributing to scalable application architecture, API integration, testing, and production deployments.

Cothon Solutions | Full-Stack Developer

May 2025 – Jul 2025

- Designed and deployed TenantFlow, a multi-tenant CRM SaaS using Next.js, PostgreSQL, Prisma, and CI/CD pipelines, supporting 100+ users across 30+ isolated tenant environments.
- Implemented authentication, authorization, and tenant-level data isolation using Clerk and PostgreSQL, ensuring secure access control and zero unauthorized cross-tenant data exposure.
- Improved REST API response times by 25% through PostgreSQL schema optimization, indexing strategies, and query performance tuning, enhancing application scalability and responsiveness.

PROJECTS

MergeOwl: AI Powered GitHub Code Review Agent

GitHub | Live

- Built and deployed an AI-powered GitHub App using Node.js, Docker, Redis, and Gemini AI that autonomously reviews pull requests, generating 200+ review comments across 20+ real-world PRs.
- Engineered an asynchronous review pipeline using BullMQ and Redis, decoupling webhook ingestion from LLM processing and delivering code reviews in under 45 seconds while meeting GitHub webhook constraints.
- Implemented repository-aware semantic search using Gemini embeddings and pgvector, enabling context-aware reviews that reference existing codebase patterns beyond isolated pull request diffs.

Intervo: AI Powered Real-Time Interview

GitHub | Live

- Developed an AI-powered interview platform using Next.js, TypeScript, Gemini API, and Vapi, achieving sub-second voice interactions across concurrent interview sessions.
- Built adaptive interview workflows that dynamically generated context-aware follow-up questions using Gemini AI based on candidate responses and conversation history.
- Implemented real-time session management with Firebase and deployed automated CI/CD workflows on Vercel, enabling reliable and zero-downtime releases.

EDUCATION

K.S. Institute of Technology, Bengaluru
Bachelor of Engineering in Computer Science and Design

2022-2026

ACHIEVEMENTS

- Published AI research on heart attack prediction, improving accuracy by 7% on clinical datasets.
- Contributed 16+ merged open-source pull requests and finished 2nd Runner-Up at Hacker Ring 2025, a national-level hackathon.
- Led technical and cultural initiatives at Adroit Club, driving higher student participation across 5+ events.