B Venkata Sai Kartikeya

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Summary

Computer Science undergraduate and Full-Stack Developer specializing in end-to-end application development across front-end, back-end, and database layers, with additional experience in machine learning and IoT. Skilled in REST APIs, third-party integrations, and delivering production-ready solutions in Agile, client-facing environments. Strong foundation in Python, Java, and the MERN stack with a focus on debugging and performance optimization.

Education

GITAM University — Visakhapatnam, India
B.Tech in Computer Science (IoT) | CGPA: 7.10 / 10.00 — *Aug 2022 –2026*

Sri Chaitanya Junior College — Visakhapatnam, India
Senior Secondary (PCM) | Percentage: 85% — *2020 – 2022*

Technical Skills

Programming: Python, Java, C, JavaScript, SQL
Front-End: React.js, Next.js, HTML, CSS, Responsive & UI/UX Design
Back-End: Node.js, Express.js, REST API Design, Authentication & Authorization
Databases: MongoDB, PostgreSQL, SQL
Cloud & Deployment: Firebase, Supabase, Vercel, Railway
Tools & Practices: Git, GitHub, Figma, Postman, Agile/Scrum, Debugging & Performance Optimization, Application Integration
Soft Skills: Problem Solving, Team Collaboration, Time Management, Adaptability

Internships

Spotmies LLP — Visakhapatnam, India
MERN Stack Developer — *Dec 2025 – Present*

- Developing and maintaining client-facing full-stack web applications using the MERN stack, directly collaborating with real-world clients in an Agile delivery environment to gather requirements and deliver production-ready solutions.
- Building responsive, scalable front-end interfaces using React.js and integrating REST APIs for seamless front-end/back-end data communication across multiple client projects.
- Handling end-to-end feature development from requirements to deployment, working with PostgreSQL for back-end storage and performing debugging and performance optimization for on-time delivery.

NTPC Limited — Visakhapatnam, India
Software Engineer Intern (Onsite) — *May 2025*

- Collaborated in a team of 3 to redesign and deliver a modernized IT & Communication portal for internal NTPC employees, replacing the legacy system with a fully rebuilt UI.
- Conducted direct requirement gathering sessions with NTPC employees, translating business requirements into functional and technical specifications for the final portal design.
- Improved portal navigation and interface structure, delivering a cleaner, more intuitive experience for internal users.

Projects

Velvet Plate | Full-Stack SaaS Management System — GitHub

- Built a multi-tenant restaurant management platform with a REST API-based back-end and role-based authentication/authorization for Admins, Branch Managers, and Customers.
- Implemented dynamic menu and inventory management with branch-specific pricing, stock tracking, and cloud-based media storage, integrating third-party services for scalable data handling.
- Developed a secure, version-controlled (Git) branch onboarding workflow with document verification and scalable APIs for restaurant operations.

Zenith-Zap Platform — zenithzap.vercel.app

- Created a mobile-first React web platform supporting 50+ daily active users, deployed via Vercel with continuous integration/continuous deployment (CI/CD) for rapid, reliable iteration.
- Ensured cross-browser compatibility and optimized rendering performance through responsive UI/UX design.

Sentiment Analysis System — GitHub

- Engineered a Bidirectional LSTM-based sentiment analysis system achieving 82% accuracy on 200+ test samples.
- Applied NLP preprocessing techniques including text normalization, tokenization, padding, and class imbalance handling.

Environmental Monitoring IoT

- Built an IoT-based system for real-time environmental data acquisition and live sensor monitoring via ThingSpeak dashboards with stable Wi-Fi transmission and data integration.

Certifications

EduSkills — Apr 2025 – Jun 2025
AI-ML Virtual Internship — *Remote*

XceedIQ Innovate360 — Jan 2024 – Jul 2024
MERN Full Stack Training — *Remote*