

# Surendra varikallu

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## SUMMARY

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Versatile Software Engineer with experience in designing, building, testing, and deploying full-stack applications using React, Node.js, TypeScript, PostgreSQL, and Firebase. Strong foundation in SDLC, API development, SQL, debugging, and automation. Proven ability to analyze business requirements, collaborate in agile teams, and deliver scalable, secure, and user-centric solutions. Fast learner with strong communication skills and hands-on experience solving real-world problems.

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## EXPERIENCE

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### Google Student Ambassador

Google

July 2025 - December 2025, Gurgaon, India

- Represented Google on campus and promoted Google technologies, programs, and developer resources, reaching 300+ students across multiple departments.
- Organized and hosted 7+ technical workshops and hands-on sessions on Google Cloud, Android, and AI tools, increasing student involvement in tech events by 45%.
- Built and managed a student tech community of 150+ active learners, mentoring peers and guiding them through Google learning pathways and certification tracks.
- Collaborated with Google community managers to coordinate initiatives, collect structured feedback, and improve event engagement, boosting participation satisfaction by 30%.
- Increased campus adoption of Google programs through strategic outreach, social media campaigns, and onboarding support, resulting in a 50% rise in student registrations for Google learning platforms.
- Analyzed client requirements by conducting monthly surveys and feedback sessions using Google Forms with 200+ participants, adapting event content and tech demos to align with evolving campus needs and boosting post-event satisfaction ratings by 30% over a 12-month period.

### FULL STACK INTERN

COGNIFYZ TECHNOLOGIES

June 2025 - July 2025, REMOTE

- Built dynamic full-stack web applications using HTML, CSS, JavaScript, and Node.js, delivering responsive UIs and optimized client-server interactions that improved overall user experience by 35%.
- Integrated RESTful APIs with modern frontend components, enabling smooth data flow across modules and boosting application functionality and reliability by 40%.
- Delivered two internal React.js + Express.js applications within 1 month, automating data workflows for 25+ users and reducing manual input errors by 30%.
- Improved application performance by implementing efficient state management, input validation, and modular architecture, reducing page load time by 25% and enhancing maintainability.
- Analyzed business problems by gathering requirements from 5+ stakeholders weekly, then designed and deployed full-stack solutions using React.js, Express.js, and MongoDB to resolve pain points within 2 months and achieve a 30% reduction in process bottlenecks.
- Engineered and deployed tailored technology solutions leveraging React.js, Express.js, and MongoDB over a 2-month period, meeting the needs of 5+ stakeholders weekly and delivering a 30% decrease in operational bottlenecks.

### WEB DEVELOPMENT INTERN

CODEGNAN

May 2025 - June 2025, VIJAYAWADA

- Built and deployed a fully responsive travel website using HTML, CSS, JavaScript, and Bootstrap, improving page usability and layout consistency by 40% across devices.
  - Implemented modern UI/UX design principles that enhanced user engagement, reducing bounce rate during testing by 30% and improving navigation flow.
  - Optimized website performance by minimizing assets and structuring components efficiently, achieving under 2s load time on average devices.
  - Designed responsive layouts and interactive components using Bootstrap and custom JavaScript, resulting in 100% mobile compatibility across different screen sizes.
  - Improved visual appeal and accessibility by applying modern design practices, increasing user satisfaction scores by 25% in peer feedback evaluations.
  - Developed and integrated Design Applications using Figma and Adobe XD over a 10-week internship, accelerating UI prototyping for three projects and enabling 60% faster design-to-development handoff with cross-team collaboration tools.
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## PROJECT

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Lumoraed

SELF BUILD • [lumoraed.onrender.com/](https://lumoraed.onrender.com/)

- Designed and developed LumoraEd, a full-stack learning platform used by 150+ students, enabling structured learning across Python, Java, Full-Stack, AI, and Data Science.
- Built 20+ interactive challenges and 5 complete learning roadmaps, boosting student practice engagement by 40%.
- Optimized backend performance using Redis caching and query tuning, reducing API response times by 30–45%.
- Implemented Firebase authentication and security layers (rate limiting, XSS protection), improving platform security and reducing invalid requests by 60%.
- Created an admin panel that automated content management tasks and reduced manual effort by 50%, enabling faster roadmap and challenge updates.

## SKILLNOX

### SELF BUILD

- Developed and deployed Skillnox as the official coding contest platform for my college, now used by 200+ students every semester for real-time competitive programming.
- Engineered a secure and scalable LAN-based system, enabling faculty to conduct contests, evaluate submissions, and generate analytics seamlessly with zero dependency on third-party platforms.
- Integrated Skillnox into the academic workflow in collaboration with college management, reducing contest administration effort by 60% and improving operational efficiency.
- Designed and built real-time leaderboards, automated code evaluation, MCQs, and an anti-cheat engine, resulting in 80% faster contest execution compared to manual or offline processes.
- Architected a reliable backend using Node.js, PostgreSQL, and Socket.IO, achieving 99% uptime and handling thousands of real-time events efficiently during peak contest hours.
- Implemented 6 advanced PDF analytics reports (performance, participation, leaderboard, timing, summary), enabling faculty to generate insights 3× faster with fully automated data pipelines.

## ADVENTURE AURA (A TRAVEL AGENCY WEBPAGE)

CODEGNAN • [adventure-aura-ivory.vercel.app/](https://adventure-aura-ivory.vercel.app/)

- Built an interactive travel agency webpage featuring engaging destination showcases and streamlined booking functionality, improving user experience and increasing client inquiries by 35%.
- Engineered a dynamic web platform for Adventure Aura, integrating real-time booking workflows and immersive multimedia content that boosted visitor engagement by 40% and improved conversion rates by 25%.
- Developed an advanced itinerary planning module that enabled personalized travel packages, enhancing customer retention by 30% through tailored recommendations and seamless online interactions.

## PERSONAL PORTFOLIO

SELF BUILD • [my-portfolio-sigma-weld-59.vercel.app/](https://my-portfolio-sigma-weld-59.vercel.app/)

- Engineered a dynamic personal portfolio website to showcase skills and projects, using responsive design techniques that ensured 100% cross-device compatibility and improved accessibility for all users.
- Integrated interactive UI components and optimized performance through asset compression and code restructuring, achieving 30% faster page load times and significantly smoother user interactions across platforms.
- Enhanced SEO performance and implemented Google Analytics tracking, resulting in a 40% increase in organic traffic and enabling real-time engagement monitoring over a six-month period.

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## EDUCATION

### B.TECH

KITS AKSHAR INSTITUTE OF TECHNOLOGY • GUNTUR, ANDHRA PRADESH • 2027 • 8.3

### INTERMEDIATE

NRI SAI JUNIOR COLLEGE • GUNTUR, ANDHRA PRADESH • 2023

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## SKILLS

Frontend: React.js, TypeScript, JavaScript, HTML, CSS

Backend: Node.js, Express.js, Python

Database: PostgreSQL, MySQL, SQL, Firebase

Tools: Git, Docker, CI/CD, Postman, Linux

Concepts: SDLC, REST APIs, Testing, Debugging, Automation, System Design

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