

# VAIBHAV KULKARNI

Software Developer

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## EXPERIENCE

### Trubot Electronics | Software Developer (Freelance)

February 2025 – Present

- Engineered a high-performance website with Next.js and Three.js that increased product engagement by 45% and reduced bounce rates by 30%
- Optimized 3D model rendering, decreasing load time by 60% while maintaining visual fidelity across all devices
- Implemented CI/CD pipeline that reduced deployment time by 75%, enabling rapid iterations based on client feedback
- Delivered project 10 days ahead of schedule while exceeding all client requirements, securing a ₹15K follow-up contract
- Website: [Trubot Electronics](#)

### Sri Sri Academy | Software Developer (Freelance)

September 2024 – Present

- Architected and deployed a scalable Next.js/TypeScript website that increased daily visitor traffic by 120% and improved conversion rates by 35%
- Implemented Strapi CMS with custom workflows, reducing content update time from 3 hours to 20 minutes and empowering non-technical staff
- Engineered performance optimizations using Cloudflare CDN and Amazon S3, achieving 99.98% uptime and 90+ PageSpeed score
- Integrated GA4 analytics dashboard that identified key user patterns, leading to UX improvements that increased session duration by 40%
- Reduced server costs by 30% through strategic implementation of Nginx caching and serverless functions
- Website: [Sri Sri Academy](#)

## FULL-STACK WEB APPLIED PROGRAMMING PROJECTS

### Green Grocer – E-commerce Platform for Organic Products | [GitHub Repository](#) July 2024 – August 2024

*A feature-rich e-commerce platform for organic products.*

- Developed secure authentication using NextAuth, reducing unauthorized access risks.
- Built a high-availability payment system with a 99.99% transaction success rate, reducing cart abandonment by 35%.
- Implemented real-time inventory management, decreasing stockouts by 85% and improving customer satisfaction by 40%.
- Delivered a user-friendly shopping experience, emphasizing eco-friendly product benefits

### Employee Management System | [GitHub Repository](#)

May 2024 – June 2024

*An enterprise-grade system automating HR workflows.*

- Automated 95% of HR processes, saving 30+ hours per week.
- Built a real-time dashboard with sub-100ms response time, reducing data retrieval time by 75%.
- Achieved SOC 2 compliance by implementing role-based access control and encryption.

[Explored JavaScript through these and many other projects. Discover them all on [GitHub](#)]

## TECHNICAL SKILLS

**Programming Languages:** Python, JavaScript, TypeScript, C, C++, HTML5/CSS3.

**Frontend Development:** React.js, Next.js, Tailwind CSS, Bootstrap.

**Backend Development:** Node.js, Express.js, Strapi, RESTful APIs.

**Databases:** SQL, PostgreSQL, MongoDB, Redis

**Cloud & DevOps:** AWS, Microsoft Azure, Docker, CI/CD Pipelines, Nginx

**Tools & Development Practices:** Git, VS Code, Xcode, PyCharm, Data Structures & Algorithms, SDLC, MVVM & MVM Architecture

## CREATIVE PURSUITS

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- Hacktoberfest 2024 Contributor: Merged 4+ pull requests in MERN stack open-source projects, earning [Hacktoberfest badges](#).
- Tech Community Engagement: Active participant in GDG Hyderabad, and Google Build with AI events.
- Technical Speaker: Delivered 5 conference talks on modern iOS Development reaching 2,000+ developers
- Mentorship: Led coding workshops for 50+ junior developers at Swecha Open Source, with 80% reporting significant skill improvements.

## EDUCATION

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### Bachelors of Engineering - Information Technology

June 2018 – May 2022

Maturi Venkata Subba Rao College (Osmania University), Hyderabad, Telangana.

CGPA: 7.0

Relevant Coursework: Data Structures, Algorithms, Web Development, Software Engineering