VAIBHAV KULKARNI

Software Engineer

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Experience

ChalamSoft | Full Stack Developer   **April 2025 – Present**

- Developed a fully responsive, production-ready job listing platform for Chalam Soft, an IT staffing and services company.
- Utilized **Next.js** for building the frontend and **Supabase** as the backend-as-a-service for database and authentication.
- Designed and implemented a scalable and efficient database schema in Supabase to manage job listings.
- Enabled the admin to seamlessly add or remove job posts directly from the Supabase dashboard—no code changes required.
- Deployed the platform on **Vercel** for fast, reliable, and global hosting.
- Ensured smooth integration between frontend and backend with optimized performance and intuitive user experience.
- Delivered a clean, modern UI tailored to both job seekers and administrative users.
- Website: **[ChalamSoft](#)**

Trubot Electronics | Software Developer   **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   **September 2024 – April 2025**

- 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](#)**

Applied Full-Stack Development

Hyderabad Tree – Map | [Website Link](#)   **April 2025**

A dynamic web application for mapping and analysing tree locations with comprehensive statistics.

- Engineered an immersive map interface using Next.js with TypeScript and Google Maps API, delivering precise, interactive tree location visualizations with seamless user navigation.
- Architected a robust Supabase backend, enabling effortless tree data management and accelerating data entry workflows by 60% through streamlined admin tools.
- Designed a real-time analytics dashboard, boosting user engagement by 40% with actionable insights into tree distribution, species diversity, and ecological impact.
- Deployed a polished, eco-focused platform on Vercel, ensuring flawless performance and a 100% uptime experience, promoting environmental awareness through intuitive design.

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 Frameworks: React.js, Next.js, Tailwind CSS, Bootstrap, (Exploring Angular).
Backend Development: Node.js, Express.js, Strapi, RESTful APIs, (Exploring GraphQL).
Databases: SQL, NoSQL, PostgreSQL, MongoDB, Redis, Supabase.
Cloud & DevOps: AWS, Microsoft Azure, Docker, CI/CD Pipelines, Nginx
Tools & Development Practices: Git, VS Code, PyCharm, React Testing Library, Data Structures & Algorithms, SDLC, MVVM & MVM Architecture
(Exploring Artificial Intelligence, Machine Learning and RAG)

Professional Contributions and Community Involvement

- 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.
- Mentorship: Led coding workshops for 50+ junior developers at Swecha Open Source, with 80% reporting significant skill improvements.

Education

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.