VAIBHAV KULKARNI
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Experience

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

Developed a job listing platform for Chalam Soft, an IT staffing and services company, using Next.js for the frontend and Supabase for the backend to handle database and authentication. Created a clear and organized database structure in Supabase to manage job listings, allowing administrators to add or remove job posts directly from the Supabase dashboard without needing to modify code. Deployed the platform on Vercel for fast and reliable hosting. Ensured the frontend and backend worked together smoothly, focusing on performance and ease of use. Designed a straightforward, modern interface suitable for job seekers and administrative users.

Website: **ChalamSoft**

Trubot Electronics | Software Developer   **February 2025 – Present**

Built a website using Next.js and Three.js for a client, achieving a 45% increase in product engagement and a 30% reduction in bounce rates. Optimized 3D model rendering to reduce load times by 60% while maintaining clear visuals across all devices. Implemented a CI/CD pipeline that cut deployment time by 75%, enabling fast updates based on client feedback. Delivered the project 10 days ahead of schedule, meeting all client requirements.

Website: **Trubot Electronics**

Sri Sri Academy | Software Developer   **September 2024 – April 2025**

Developed and launched a website using Next.js and TypeScript, increasing daily visitor traffic by 120% and improving conversion rates by 35%.Set up Strapi CMS with custom workflows, reducing content update time from 3 hours to 20 minutes, allowing non-technical staff to manage content easily.Applied performance improvements with Cloudflare CDN and Amazon S3, achieving 99.98% uptime and a PageSpeed score above 90.Added a GA4 analytics dashboard to track user patterns, leading to user experience improvements that increased session duration by 40%.Lowered server costs by 30% using Nginx caching and serverless functions.

Website: **Sri Sri Academy**

Applied Full-Stack Development

PrepWise-AI Full-Stack Developer | Live Link   **July 2025**

A full-stack web application leveraging AI to provide personalized technical interview preparation for developers.

- o Engineered a responsive frontend using React, Vite, and Tailwind CSS, integrated with Framer Motion and React Markdown, delivering an intuitive and engaging user experience.
- o Architected a scalable RESTful API with Node.js, Express, and MongoDB, utilizing Google Gemini AI to generate tailored interview questions and detailed explanations.
- o Implemented secure user authentication with JWT and bcryptjs, and enabled profile image uploads with Multer, enhancing user personalization and data security.
- o Deployed the backend on Render and frontend on Vercel, ensuring seamless performance and 99.9% uptime for a cloud-hosted, user-friendly platform.

Hyderabad Tree – Map | Live Link   **April 2025**

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

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

[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.