

Harsh Sahu

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Third-year undergrad & Full Stack Developer specializing in high-performance web applications and developer tooling. Built production-ready platforms serving 2K+ users with 10x performance optimizations and sub-25ms API response times. Expertise spans modern JavaScript/TypeScript ecosystems, systems programming in Rust, and cloud-native DevOps practices. Proven track record developing interconnected application ecosystems and open-source developer tools.

TECH STACK

JavaScript, TypeScript, Python, C++, Rust, React.js, Next.js, Vue.js, Nuxt.js, Express.js, HTML, CSS, SCSS, Bootstrap, Tailwind CSS, Node.js, REST APIs, GraphQL, PyQt, Ratatui, PostgreSQL, MongoDB, SQLite, Redis, Convex DB, Supabase, Prisma ORM, Drizzle ORM, Lucia, JWT, AWS (S3, SES, SNS, EC2), Oracle OCI, Vercel, Coolify, Cloudflare (R2), MinIO, GitHub Actions, Docker, Docker Compose, Kubernetes, Docker Swarm, Linux, Turborepo

PROJECTS

Zephyr - Social Media Aggregator & Platform (<https://development.zephyrr.in>)

- Built unified social media platform aggregating content from major networks with 4.5K+ page views and 100+ daily active users in 30-day beta & 10k+ page views after, Optimized performance achieving 30x-90x improvements by migrating to self-hosted services, reducing API latency from 300ms to 25ms.

Zephara - Real-Time Chat & Discussion Platform (<https://dev.chat.zephyrr.in>)

- Built a sleek and powerful chat platform designed as part of the Zephyr ecosystem, enabling real-time, seamless communication with a modern, intuitive interface. Built a rich messaging experience, including message reactions, replies, threads, seamless sending/editing/ deleting of messages, and image sharing in chats.

Snix - Code Snippet & Boilerplate Manager (github.com/parazeeknova/snix)

- Built high-performance TUI & CLI snippet manager, supporting 25+ languages with syntax highlighting and real-time rendering, implemented comprehensive data management with hierarchical notebook system, UUID-based entities, tag relationships, and JSON-based storage with atomic operations and version tracking & advanced search including fuzzy search, tag-based filtering, multi-format export/import.

Nyxtext Zenith - Windows Code Editor with Terminal (github.com/parazeeknova/nyxtext-zenith)

- A modern, keyboard-centric text editor with Qt & QScintilla, supporting 35+ programming languages with syntax highlighting, code folding, and auto-indentation. Built-in PowerShell terminal for seamless command execution within the editor & highly customizable with Lua-based theming, keybindings, and shortcuts.

Vue-the-World - Travel History Tracker (<https://vuetheworld.zephyrr.in>)

- Built full-stack travel application, implemented interactive map visualization with custom markers, location bounds centering, draggable markers, popups, and places search API for location discovery, created cross-platform sharing system with API integrations to Zephyr and Zephara, enabling seamless travel journey sharing across applications.

PROFESSIONAL EXPERIENCE

amasQIS.ai | Full Stack Developer Intern

Developed MERN stack applications for multi-vision security in oil & gas sector, threat detection

Remote (Muscat, Oman)

April 2025–Present

Operation Smile Foundation (Non-Profit Organization) | Web Development Intern

Developed responsive web applications to support non-profit operations and donor engagement

Remote (Delhi, India)

April 2024–June 2024

ADDITIONAL

Open Source & Competitions: Hacktoberfest 2024 (16 PRs), Social Winter of Code Project Admin - ranked #2 in Week 1-3, #8 overall from 450+ admins, Wikimedia Track Hackbyte 3.0 Winner at IIIT DM Jabalpur. **Research Publication:** "Fine-Tuning for Code Intelligence: Evaluating LLMs on Custom Programming Benchmarks" - CICBA 2025 Conference