

Harsh Sahu

github.com/parazeeknova
harshsahu049@gmail.com

Bhopal, India
(+91) 7000127001
folio.zephyrr.in (portfolio)

linkedin.com/in/hashkx.com/hashcodes_

Third-year undergrad & Full Stack Developer specializing in web apps and developer tooling. Engineered platforms serving 2K+ users with 10x performance optimizations and sub-25ms API response times. Expertise in modern JS/TS ecosystems, and cloud-native DevOps. Proven history building robust application architectures 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, Tailwind CSS, Node.js, REST APIs, GraphQL, PyQt, PostgreSQL, MongoDB, SQLite, Redis, Convex, Supabase, Prisma, Drizzle, Lucia, JWT, AWS (S3, SES, SNS, EC2), Oracle OCI, Vercel, Coolify, Cloudflare (R2), MinIO, Git/ Github, GitHub Actions, Docker & Compose, Kubernetes, 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.
- Utilized: Next.js, React.js, Typescript, Lucia, Tailwind CSS, PostgreSQL, Prisma, Redis, MinIO, Docker & Compose

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.
- Utilized: Next.js, React.js, Typescript, Tailwind CSS, Convex, Vercel

Snix - Code Snippet & Boilerplate Manager

- 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.
- Utilized: Rust, Ratatui, Github Actions

Nyxtext Zenith - Windows Code Editor with Terminal

- 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.
- Utilized: Python, PyQt, QScintilla, Github Actions

EXPERIENCE

Full Stack Developer Intern | *amasQIS.ai*

Made high-performance RESTful APIs with Python's FastAPI to support a multi-camera security vision system and architected a MERN stack HRMS with WebSockets for real-time features.

Remote (Muscat, Oman)

April 2025–Present

President | *Mozilla Firefox Club*

Led all club operations, including strategizing and executing diverse events, managing teams, overseeing websites, CTF, hackathons and securing speakers to promote open-source principles.

On-Site (Bhopal, India)

June 2025–Present

Front-end Developer | *Operation Smile Foundation (Non-Profit Organization)*

Developed and optimized responsive web applications to enhance non-profit operations and improve donor engagement, collaborating with cross-functional teams

Remote (Delhi, India)

April 2024–June 2024

ADDITIONAL

Open Source: Project Administrator for Social Winter of Code achieved top rankings (#2 in Week 1-3, #8 overall out of 450+ admins) for project mentorship. Contributed during Hacktoberfest 2024, completing 16 Pull Requests (exceeding the 4 required PR).

Hackathons: Won the Wikimedia Track Hackbyte 3.0 at IIITDM Jabalpur.

Research Publication: Co-authored the research paper: "Fine-Tuning for Code Intelligence: Evaluating LLMs on Custom Programming Benchmarks," accepted for presentation at the CICBA 2025 Conference.