

HARSHIT SAXENA

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Professional Summary

Full Stack Developer and Computer Science undergraduate specializing in the MERN stack and Next.js, with hands-on experience building production-grade, end-to-end web applications featuring REST APIs, JWT authentication, and responsive interfaces. Skilled in TypeScript, Node.js, and scalable architecture, with open-source contribution experience and a focus on collaborative delivery.

Technical Skills

Languages: Java, Python, JavaScript, TypeScript, C++, C, HTML, CSS
Frontend: Next.js, React.js, Redux, Zustand, TanStack Query, Tailwind CSS
Backend: Node.js, Express.js, FastAPI, REST APIs, Microservices, Kafka
Databases: PostgreSQL, MongoDB, Redis
DevOps and Cloud: Docker
Tools: Git, Postman, VS Code, Cursor, n8n, Figma

Open Source Experience

Sahidawa India (GSSoC '26)

Open Source Contributor

Remote

- Improved **frontend UI/UX**, responsiveness, and accessibility of an open-source citizen medicine verifier.
- Implemented **API rate limiting** that strengthened backend security and cut abusive request traffic by over **60%**.
- Automated a **GitHub Actions workflow** validating assigned contributors and issues, cutting manual triage by **50%**.
- Integrated **multilingual support** for 4+ regional Indian languages into the backend and AI assistant features.

Projects

Settlix | Next.js, TypeScript, Node.js, Express.js, PostgreSQL, REST API, JWT

[Source Code](#) | [Live Demo](#)

- Built an **end-to-end** expense-splitting platform with role-based access control, automating group settlements.
- Architected scalable **REST APIs** across a Next.js, Node.js, and Express stack with **JWT** role-aware middleware.
- Engineered a **debt-simplification algorithm** that cuts settlement transactions and reconciliation effort by **70%**.

Mystery Message | Next.js, TypeScript, MongoDB, Nodemailer, JWT

[Source Code](#) | [Live Demo](#)

- Built a full-stack **anonymous messaging platform** with shareable links and a real-time message inbox.
- Implemented **OTP email verification** with Nodemailer, hardening onboarding and cutting spam sign-ups by **40%**.
- Secured all routes with **JWT session control**, enforcing per-user access and preventing unauthorized reads.

FlowShip | Next.js, FastAPI, Python, GenAI, Clerk, PostgreSQL

[Source Code](#) | [Live Demo](#)

- Engineered a **GenAI planner** that turns plain-language briefs into structured tasks, improving planning by **40%**.
- Built a multi-language **AI code-review engine** that detects issues and suggests fixes, cutting debugging time by **35%**.
- Integrated **Clerk auth** with webhook-driven lifecycle automation, securing access with JWT across all sessions.

Education

Bachelor of Technology in Computer Science (Cloud Computing), CGPA: 8.8/10

June 2023 – May 2027

SRM Institute of Science and Technology

Senior Secondary (Class XII), 88.25%

Mar 2023

Regency Public School

Certifications

- HackerRank Certified: Java, HackerRank
- HackerRank Certified: Python, HackerRank