HARSH KUMAR

Software Engineer

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Full-stack AI engineer building developer tools, desktop applications and agent workflows with **React**, **Next.js**, **TypeScript**, **Python**, **Node.js** and LLM APIs. Shipped **121 merged pull requests** to screenpipe, a production AI desktop app with 20k+ GitHub stars.

Professional Experience

Software Engineer (Open Source) May 2026 – Aug 2026
screenpipe (YC S26) *Remote*
- Shipped **121 merged pull requests** across **React**, **TypeScript**, **Rust** and **Tauri**, covering AI chat, automation workflows, artifacts, search, onboarding, OAuth and MCP state.
- Fixed user-facing defects including branched chats disappearing from the sidebar, voice notes creating phantom meetings, and duplicate image paste on Windows.

Community Engineer Nov 2025 – Sep 2026
cognee (part-time) *Remote*
- Support developers using Cognee through technical troubleshooting, onboarding, and Discord support. Investigate and reproduce bugs, gather user feedback and help improve the developer experience across the open-source project.

Open Source Maintainer Aug 2025 – Present
Epicenter (YC S25) *Remote*
- Built the Whispering launch landing page in Astro, ran issue triage and duplicate audits across **100+** issues, fixed accessibility and UI bugs, and worked with the founder on product and roadmap decisions.

Software Engineer Intern Aug 2024 – Jan 2025
Userology *Remote*
- Built authentication and session flows with **Firebase** and **Next.js**, including protected routes and UI tied to the real authentication state.
- Profiled and improved WebRTC video calls, reducing production call latency by **30%**.

Key Projects

Snorlax – AI GitHub Issue Triage | github.com/thisisharsh7/snorlax
- Indexes repository code and previous issues using local embeddings and semantic search, detects duplicates and already-shipped features, then drafts a response for human approval.
- Built with **Python**, **FastAPI**, **Next.js**, **PostgreSQL**, **pgvector** and CocoIndex; rule-based checks and caching gate model calls to avoid unnecessary LLM usage.

Seeva – Cross-Platform Screen-Aware AI Assistant | github.com/thisisharsh7/seeva-ai-assistant
- Built a desktop assistant that uses on-screen context from other applications. Built with **Tauri**, **Rust**, **React**, **TypeScript** and local SQLite history.
- Integrated Claude, OpenAI and OpenRouter on user-supplied keys; completed Apple code signing and notarisation for macOS and implemented signed application updates.

AlertFrame – Website Change Monitoring | github.com/thisisharsh7/alertframe
- Built element-level website monitoring using **Next.js 15**, **TypeScript**, **Prisma**, **PostgreSQL** and NextAuth with Google OAuth.
- Runs scheduled checks through **BullMQ** and **Redis**; Playwright renders JavaScript pages before diffing, and stored third-party credentials are encrypted at rest.

Technical Skills

AI & Agents: Claude Code, Codex, Cursor, Anthropic API, OpenAI API, OpenRouter, tool calling, embeddings, semantic search, multi-provider routing
Frontend: React, Next.js, TypeScript, JavaScript, Tailwind CSS, Vite, MUI
Backend & Data: Python, FastAPI, Node.js, Express.js, REST APIs, BullMQ, PostgreSQL, Prisma, MongoDB, Redis, SQLite, pgvector
Security & Tooling: OAuth, NextAuth, Firebase Auth, encryption at rest, Git, GitHub Actions, Docker, Playwright, Vitest, Vercel, AWS

Education

B.Tech, Electrical, Electronics & Communications Engineering Nov 2021 – Jun 2025
Maharaja Agrasen Institute of Technology (GGSIPU) *Delhi, India*
- CGPA: 8.0/10