

Harshal Sawant

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Skills

Languages	Rust, C++, TypeScript, Go, C, JavaScript
Frameworks	React, Next.js, Tailwind CSS, Gin (Go)
DevOps	Docker, GitHub Actions, Linux, Nix, NixOS
DB & Tools	PostgreSQL, MongoDB, Redis, Git, CMake, Shell Scripting, LaTeX

Experience

OWASP BLT • Open Source Contributor | Remote

2025 - 2026

 [migration/poetry-to-uv](#)

- Migrated OWASP BLT from Poetry to UV across pyproject.toml, Dockerfile, and CI workflows, cutting dependency install and environment setup time for all contributors.
- Optimized the Docker development environment for UV-based dependency management with faster container builds in local and CI workflows.
- Reviewed and merged pull requests from new contributors, upholding code quality standards across the project.

Projects

HaruStream • Anime & Movie Streaming - Next.js, TypeScript

 Live  GitHub

- Built a full-stack Next.js platform for streaming anime, movies, and web series with server-side search.
- Integrated Vidstack player with custom playback controls, episode navigation, and watch-progress tracking.
- Hardened external API consumption with Zod runtime validation and structured Pino logging.

Android Tweaker • Android Kernel Optimizer - Kernel Profiles

 GitHub

- Developed a Magisk/KernelSU/APatch module applying CPU governor and kernel tweaks at boot, adopted by 2,000+ subscribers across custom ROM communities.
- Packaged a self-installing companion app with multi-arch support and boot-settle startup safeguards.
- Earned 68 GitHub stars and 23 forks with community-driven iteration across ROM releases.

CoreTaskOptimizer • Boot-time Task Prioritizer - C++

 GitHub

- Developed a C++ root module applying CPU affinity, SCHED_FIFO, and I/O priority policies via direct syscalls.
- Uses runtime CPU topology detection to pin critical threads on performance versus efficiency cores.
- Runs once at boot for zero persistent overhead; earned 51 GitHub stars with automated multi-ABI builds.

TermChat • Terminal Chat Application - Rust, Tokio

 GitHub

- Built a real-time terminal UI chat client in Rust with Ratatui and crossterm for responsive rendering.
- Implemented async TCP networking on Tokio with a custom framing codec for concurrent message handling.
- Added structured logging and robust error handling with tracing and anyhow across async tasks.

Education

Bachelor of Computer Applications • Tilak Maharashtra Vidyapeeth (TMV) • Pune, India • CGPA: 7.5/10

2024 - 2028
(expected)

Achievements

Open Source Contributor

Holopin: [@c0d3h01](#)

Hacktoberfest - 2025 • 12 merged pull requests

October 2025

- Completed Hacktoberfest 2025 with 12 merged PRs into Obfuscator, a cross-platform C/C++ LLVM obfuscator.
- Shipped CI pipeline fixes, mdBook documentation infrastructure, and an Angular-to-Svelte frontend migration.