

HIMANSHU SONI

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Education

KIET Group of Institutions (AKTU), Ghaziabad
B.Tech in Computer Science | CGPA: 8.17/10

Aug 2024 – May 2028 (Expected)

Technical Skills

Languages: C++, Python, Go, TypeScript, JavaScript, SQL

CS Fundamentals: Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks

Backend & Data: Node.js, Express, FastAPI, REST APIs, PostgreSQL, Redis, BullMQ, Prisma, Supabase

Frontend & Tools: React, Next.js, Tailwind CSS, Docker, Kubernetes, Linux, Git, GitHub Actions, Playwright

Experience

ResoluteX Technology Labs (Oxlo.ai)

AI Intern, OxCode (AI coding agent)

Jul 2026 – Present

Remote (Dubai, UAE)

- Rebuilt command auto-approval with an AST-based shell parser, so destructive commands chained after safe ones are blocked, and added secret redaction to logs before they are sent to the model.
- Built anonymous trials with per-device and per-IP usage limits, upgrades to full accounts, and OAuth callback handling for VS Code, VSCodium, Code-OSS, and Antigravity.
- Made the agent work on large repos with .gitignore-aware indexing, symbol caching, and bounded context retrieval, plus a tool for reading large build and runtime logs.
- Fixed task verification so blocked file writes and unverified test results can no longer be reported as success.

Waysorted Infotech Pvt. Ltd.

Full-Stack Developer Intern, Figma plugin

Mar 2026 – Jun 2026

Remote / Hybrid

- Built an HTML-to-Figma importer that converts live HTML/CSS into editable Figma frames while keeping layout, typography, shadows, border radius, and SVGs.
- Built a Canva-to-Figma importer that works from public share links without paid APIs, with editable text recovery, layout detection, and safe fallbacks.
- Added an AI palette generator with contrast checks and Figma export, and rebuilt the color tools with live HSL/HEX controls.

Projects

FitKalp – Multi-Tenant Gym Management SaaS | GitHub | Live | Blog

2026

Next.js 14, TypeScript, PostgreSQL, Prisma, Auth.js, Supabase

- Isolated each gym's data with PostgreSQL row-level security, setting the tenant with SET LOCAL inside each transaction so pooled PgBouncer connections cannot leak data between gyms.
- Built member, subscription, payment, attendance, invoice, and analytics flows with 3-role access control checked on the server; onboarding runs in one ACID transaction.

Truvo – Industrial Product Data Platform | GitHub | Live | Blog

2026

TypeScript, React, Express, PostgreSQL, Prisma, Redis, BullMQ

- Moved PDF, scan, XLSX, and CSV parsing to BullMQ workers so large imports run in the background without blocking the API, with an in-process fallback when Redis is down.
- Wrote duplicate detection with blocking keys and Levenshtein scoring to avoid $O(n^2)$ pairwise checks, and flagged spec outliers using median absolute deviation.

Open Source Contributions

Google Gemini CLI – Contributor | 5 merged PRs | Blog

2026

- Added an opt-in LXC container sandbox and fixed two MCP server bugs: a name collision that silently overwrote user config, and restarts that reused stale settings.

Kubescape Kubevuln – Contributor | PRs | Blog

2026

- Fixed 7 data-integrity bugs in a Go CVE scanner, including non-deterministic SHA-256 fingerprints from Go map ordering.

Palisadoes Foundation (Talawa) – Contributor | 21 merged PRs | Blog

2026

- Added password-reset rate limiting, fixed flaky tests, expanded ORM/API tests, and removed duplicate validation logic.

CircuitVerse – Contributor | PRs

2026

- Fixed an N+1 query with eager loading, cutting database round-trips from $O(n)$ to $O(1)$, and fixed 10+ production bugs including PostgreSQL race conditions and IP spoofing.

Achievements

Hackathons (5 podiums): Innotech'24 (1st) | ADK-TS 2025 (OpsPilot, MCP Expansion track) | Hacktivism II (2nd, Label AI) | OxBuild (2nd, BrandForge AI) | Four.meme Sprint (3rd, Covenant)

Recognition: 50+ merged open-source PRs | Featured on the Ministry of Education TV channel for student engineering work