

Saurav Kale

9096385221 | ksaurav4093@gmail.com

sauravcodes.in | linkedin.com/in/ksaurav24 | github.com/ksaurav24

Experience

Mindtrot Technologies Pvt. Ltd.

Dec 2025 – Jul 2026

Engineering Intern

Remote

- Built WhatsApp messaging into the CRM, including contacts, live chat, and incoming message updates through SSE, from backend integration to the frontend UI.
- Improved Next.js page performance with code-splitting, React.memo, and lazy-loaded images; resolved production issues in React state and component rendering.

Guru Branding Services

Aug 2024 – Aug 2025

Full Stack Developer Intern

Pune, Maharashtra

- Developed and maintained client websites and landing pages, handling responsive interfaces and backend integrations.
- Implemented REST APIs and JWT authentication with access and refresh tokens, token rotation, and role-based access.

Projects

Valve – Outbound API Rate Limiting

GitHub

TypeScript, Redis/Valkey, Lua, Vitest

- Building an open-source library that lets workers share an API rate limit, using atomic Redis Lua scripts with GCRA and fixed-window algorithms.
- Added a fetch wrapper that reads provider rate-limit headers and shares cooldowns across workers, with request priorities, cancellation, and bounded queues.
- Added property-based rate-bound tests and Redis integration tests; packaged ESM and CommonJS builds with TypeScript declarations.

Compass – Multi-Tenant Real Estate CRM

GitHub

Next.js, NestJS, TypeScript, PostgreSQL, Prisma, Redis, BullMQ, Docker

- Built a CRM for real estate agencies with tenant-scoped data access, lead scoring, and role-based dashboards for sales teams and administrators.
- Implemented background lead assignment and messaging jobs with BullMQ, alongside PostgreSQL data models through Prisma and containerized application services.

Technical Skills

Languages: TypeScript, JavaScript, Go, Python, SQL

Frontend: React, Next.js, Tailwind CSS, TanStack Query, Zustand, HTML/CSS

Backend: Node.js, NestJS, Express.js, REST APIs, SSE, WebSockets, JWT, Better Auth

Data & Messaging: PostgreSQL, MongoDB, Redis, Prisma, Mongoose, BullMQ, RabbitMQ

Testing: Vitest, Jest, React Testing Library, Go testing, property-based and integration tests

DevOps & Tools: Docker, Docker Compose, GitHub Actions, Linux, Nginx, Traefik, Git, Azure, Postman, Swagger

Achievements

- **Valibot Contributor:** Merged PR #1457 adding four string case-transformation actions; working on a JSON-value validation schema in PR #1610 (under review).
- **Offease (Client Project):** Designed, built, and deployed myoffease.com, including the customer website, admin portal, CRM, and billing workflows.
- **Fitness CRM (Client Project):** Shipped an MCP-powered chatbot for trainers to query client data conversationally, with access controls and client data isolation.
- **CodeMent Core Team:** Led technical workshops and organized a national-level hackathon for 400+ participants, managing registrations, infrastructure, and judging coordination.

Education

Nutan College of Engineering and Research

Aug 2023 – May 2027 (Expected)

B.Tech in Computer Science Engineering (Artificial Intelligence)

Pune, Maharashtra