

# Sachin Chaurasiya

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## OBJECTIVE

Computer Science student specializing in full-stack development with strong experience in building scalable systems, realtime applications. Focused on engineering impactful products with clean architecture and performance-oriented design.

## INTERNSHIP EXPERIENCE

### Vizuara AI Labs

Jan 2026 – Ongoing 2026

Full Stack & GenAI Intern, Pune, India

- Developed a no-code, drag-and-drop ML pipeline builder and optimized backend services for low-latency.
- Built a RAG system using embedding-based semantic search + vector indexing to enable accurate, context-aware Q&A over learning content.
- Fine-tuned open-source LLMs on domain datasets to improve answer quality and personalization.

### Aaradhy Tech

June 2024 – Aug 2024

Full Stack Intern, Mumbai, India

- Improved platform performance by 35% by refactoring backend services, shifting inter-service communication to gRPC, and restructuring MongoDB queries with proper indexing.
- Optimized event creation, team formation, and submission pipelines using Express restructuring, resulting in nearly 30% faster user interactions.

## PROJECTS

### CloudForge (*TypeScript, Redis, Docker, Kubernetes, AWS, WebContainers*)

[GitHub](#)

- Developed a browser-based cloud development platform allowing users to write, run, and deploy applications instantly using isolated WebContainer environments.
- Designed a container orchestration pipeline with Docker and Kubernetes to provision scalable runtime environments, with Redis for job queues, session state, and real-time collaboration signaling.
- Built secure sandboxing, resource limits, and multi-tenant infrastructure to support concurrent users with low-latency.

### Automator (*Next.js, TypeScript, PostgreSQL, tRPC, Sentry*)

[GitHub](#)

- Built a workflow automation platform enabling users to create event-driven pipelines, connect third-party services, and automate business processes through a visual builder.
- Architected a scalable backend with PostgreSQL for workflow state management, tRPC for end-to-end type safety, and integrated monitoring with Sentry for reliability and observability.
- Implemented task orchestration, webhook triggers, scheduling, and execution queues to support real-time and asynchronous automation scenarios.

### CourseFlow (*React.js, Node.js, Type Script, MongoDB, WebRTC*)

[GitHub](#)

- Built a scalable course-selling platform supporting students, instructors, and admins with complete authentication, payments, and content delivery.
- Implemented SFU for real-time interactive teaching assistant sessions, enabling multi-peer low-latency classrooms.

## EDUCATION

### B.Tech in Computer Science Engineering

2022 – 2026

University of Mumbai, Mumbai

## CORE SKILLS

**Languages:** JavaScript, TypeScript, Python

**Backend:** Node.js, Express, Prisma, Zod, WebSockets, WebRTC, Redis, Kafka, FastAPI, PubSubs, Celery

**Frontend:** React.js, Next.js, Tailwind CSS, Shadcn, Context API, TanStack, Zustand

**DevOps + Database + Tools:** Docker, AWS, CI/CD, Kubernetes, MongoDB, PostgreSQL, Git/Github

## ACHIEVEMENTS & LEADERSHIP

- Winner of the Vision Project Exhibition (2023–2025) for projects built using Python and MERN; freelanced and delivered 20+ projects.
- Served as Technical Secretary, Hackathon Club Lead and Head of the T&P Cell at Vishwaniketan iMEET.
- Lead Organizer of “Hack to Crack,” a national-level hackathon; mentored participants and won multiple hackathons.