

DEVESH SAWANT

Gandhinagar, Gujarat

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Education

Indian Institute of Information Technology, Vadodara

B.Tech in Computer Science and Engineering | CGPA: 7.29

Aug 2023 – Jun 2027

Gujarat, India

Experience

Indian Institute of Information Technology, Vadodara

Summer Research Intern

May 2026 – Present

Gandhinagar, Gujarat

- Investigating **terahertz (THz) communication** and **AI-native architectures** integrated with **UAVs** to develop intelligent aerial communication systems for **6G-enabled** networks.
- Addressing challenges in **channel modelling**, **trajectory optimisation**, and **physical layer security** across disaster recovery, smart city, and defense applications.

Oddmind Innovations

Full Stack Developer Intern

Jul 2025 – Nov 2025

Remote

- Contributed as a member of an **Agile** team building and operating a cloud-hosted service, designing backend infrastructure on **Linux**-based AWS EC2 instances that reliably supported **500+ concurrent users**.
- Built a real-time, multi-threaded audio communication layer using **LiveKit**, debugging and resolving concurrency and synchronization issues in an existing production codebase.
- Developed full-stack services with **Next.js**, **React.js**, **Node.js**, **Express.js**, and **REST APIs**, writing clean, testable code and iterating on peer code-review feedback.
- Supported service operations by debugging and profiling cloud-deployed backend services in production, tracing issues to root cause and shipping fixes.

Projects

BulkMailer | *Next.js, TypeScript, Python, Redis, Supabase* | [Live](#) | [GitHub](#)

- Independently designed and built an **open-source**, fault-tolerant, distributed bulk-email automation service in **Python** and TypeScript with a REST API back end, comparable to Mailchimp/GMass.
- Implemented user **authentication and authorization** with **Supabase**, and built **Redis**-backed asynchronous job queues for concurrent, high-volume task processing.
- Applied **OOP** and clean software-design principles to build modular, reusable service components.
- Wrote unit and integration tests across all delivery paths and edge cases, and set up **Git**-based **CI/CD** for automated deployment.

Interviews by Zariya AI | *Next.js, Python, React.js, Tailwind CSS, REST APIs, AWS* | [Live](#)

- Designed and implemented a cloud-scalable platform on **AWS**, focused on reliability and performance under variable production load.
- Built a modular front-end and back-end architecture in **Python** and JavaScript with clean separation of concerns, integrating REST APIs across the stack.

IIITV Coding Club Website | *Next.js, React.js, Tailwind CSS, Firebase* | [Live](#)

- Designed and built the official Coding Club platform with a scalable component architecture, collaborating with a student team using **Git**-based version control.
- Set up **CI/CD** deployment workflows and performance optimisations, improving load times and reliability across devices.

Achievements

Solved **500+** algorithmic problems; peak **LeetCode** rating **1754**, **CodeChef** rating **1569** (2★), and **Codeforces** rating **1083**, reflecting strong data structures, algorithms, and problem-solving fundamentals.

Built a real-time AI quiz platform (**Next.js** + **MongoDB**, NLP-based auto question generation) in **24 hours** at a hackathon; delivered working prototypes within **36-hour** deadlines across multiple events.

Secured **1st place** in **Design to Develop**, a web design-to-development competition, and **1st place** among first-year participants in a coding event sponsored by **GeeksforGeeks**.

Technical Skills

Languages: Python, C++, JavaScript, TypeScript, HTML, CSS, SQL

Core CS: Data Structures & Algorithms, OOP & Software Design, Debugging & Testing, REST APIs, Agile Development

Frameworks & Libraries: Next.js, React.js, Node.js, Express.js, Tailwind CSS

Cloud & DevOps: Linux, AWS (EC2, S3), Docker, Git/GitHub, CI/CD, Google Cloud, Vercel

Databases & Auth: Redis, Supabase (Auth), MongoDB, PostgreSQL, Firebase

Coding Profiles: [GitHub](#) — [LeetCode](#) (Rating: **1754**) — [CodeChef](#) (Rating: **1569**) — [Codeforces](#) (Rating: **1083**)