Kirtan Parikh

Ahmedabad, Gujarat, India

(+91) 7990582376 | kirtan134parikh@gmail.com

<u>LinkedIn</u> ↗ | <u>Portfolio</u> ↗ | <u>Github</u> ↗ | <u>LeetCode</u> ↗ | <u>Codeforces</u> ↗ | <u>CodeChef</u> ↗

Summary

Final-year CS student (IIIT Vadodara) specializing in Cloud-Native Systems, DevOps, and Backend Engineering. Seeking high-impact SDE and DevOps roles.

Education

Indian Institute of Information Technology Vadodara	Gujarat, India
B.Tech in Computer Science and Engineering; CPI: 8.67/10.0	*Nov 2022 – June 2026 (Expected)*

Experience

Helium Consulting	Pune, India (Remote)	<u>Certificate</u>
Software Engineering Intern	*May 2025 – July 2025*

- Architected and deployed a production-grade, real-time chat application on AWS for **10+ enterprise clients**, handling **500+ concurrent users** using Node.js, Express.js, PostgreSQL (RDS), and Socket.IO.
- Engineered a secure, cloud-native backend on AWS (EC2, RDS, S3) achieving **99.9% uptime**; implemented robust authentication via AWS Cognito & JWTs and secure file transfers using S3 pre-signed URLs with automatic refresh.
- Led a major architectural refactor from a distributed multi-server model to a centralized backend, **reducing API latency by 30%** and improving maintainability; engineered the real-time layer with Socket.IO including typing indicators.
- Ensured project sustainability by authoring comprehensive documentation (architecture diagrams, integration guides) and creating **11 video SOPs**, reducing future developer onboarding time by an estimated **40%**.

Projects

<u>TruVoice</u> ↗ | <u>Live Demo</u> ↗ | *Tech Stack: Next.js, Gemini API, MongoDB, AWS Cognito, Docker, K8s*

- Architected a full-stack anonymous feedback platform with a secure authentication system using Next-Auth and AWS Cognito, ensuring user privacy and data integrity.
- Integrated the Gemini API to deliver AI-powered content suggestions, improving the quality and constructiveness of feedback exchanged between users.
- Containerized the application using Docker and established a CI/CD pipeline with GitHub Actions to automate deployment to a K3s Kubernetes cluster on AWS EC2.

<u>TrackSnap</u> ↗ | <u>Live Demo</u> ↗ | *Tech Stack: Node.js, Express.js, Socket.IO, Leaflet.js, JavaScript*

- Engineered a real-time, event-driven backend using Node.js and Socket.IO to broadcast location data with **sub-200ms latency**, supporting simultaneous tracking of multiple users.
- Developed a dynamic and responsive frontend visualization using Leaflet.js to render custom user markers and calculate real-time distances on an interactive map.

Technical Skills

Languages: C++, JavaScript/TypeScript, Python, SQL, HTML/CSS, Bash
Cloud & DevOps: AWS (EC2, S3, RDS, Cognito, IAM), Docker, Kubernetes, CI/CD (GitHub Actions)
Frameworks & Libraries: Node.js, Express.js, React, Next.js, Socket.IO, Tailwind CSS, Leaflet.js
Databases: PostgreSQL, MongoDB, MySQL
Developer Tools: Git, REST APIs, WebSockets, JWT, Vercel, Linux Environment, Shell Scripting

Achievements

- **Smart India Hackathon 2024 Finalist:** Ranked among the top 5% of 100,000+ participants nationwide for developing a Data Duplication Alert System for INCOIS, recognized by the Ministry of Education.   <u>Certificate</u>
- **LeetCode Knight Badge:** Top 5% globally (rating: 1849) with 450+ algorithmic problems solved, demonstrating strong DSA and problem-solving expertise.