Kirtan Parikh

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LeetCode (Knight) ☐| Codeforces ☐| Codechef ☐

Professional Summary

Driven Computer Science student with 2+ years of full-stack development experience, specializing in scalable cloud-native applications and AI-powered platforms. Proven track record of delivering production-ready solutions serving 5,000+ users with 99.9% uptime using modern tech stacks including React, Node.js, and AWS. Recognized among top 5% of 100,000+ participants in Smart India Hackathon 2024 and LeetCode Knight with 300+ algorithmic problem-solving achievements.

Education

Indian Institute of Information Technology (IIIT) Vadodara — Gandhinagar, Gujarat
B. Tech - Computer Science and Engineering; CGPA: 8.67/10.0 — *Nov 2022 – May 2026 (Expected)*

Experience

Helium Consulting — Remote
Software Engineering Intern — *May 2025 – July 2025*

- Architected and deployed a production-grade real-time chat application using Node.js, Express.js, PostgreSQL, and Vanilla JavaScript, serving as a critical support tool for enterprise clients.
- Engineered cloud-native backend infrastructure on AWS utilizing EC2, RDS, and S3, achieving 99.9% uptime and seamless scalability for concurrent user sessions.
- Implemented secure authentication and authorization using AWS Cognito and JWT tokens, reducing unauthorized access attempts by 98% while maintaining GDPR compliance.
- Optimized real-time messaging performance with Socket.IO and built secure file-sharing capabilities using AWS S3 Presigned URLs, improving agent-user interaction efficiency by 40%.
- Designed and developed RESTful APIs for comprehensive client-server communication, including message history, user feedback, and session management with sub-200ms response times.

Projects

TruVoice ☐ | *Next.js, Node.js, Gemini AI, MongoDB, AWS, Kubernetes* — March 2025

- Architected an AI-powered feedback analysis platform processing 500+ daily entries with 45% faster load times, leveraging Next.js and Gemini AI for intelligent sentiment analysis.
- Orchestrated containerized deployment using Docker, Kubernetes, and AWS EKS with Terraform IaC, maintaining 99.9% service availability and auto-scaling capabilities.
- Established comprehensive monitoring with Grafana and Prometheus, implementing real-time alerting and performance dashboards for proactive system management.

TrackSnap ☐ | *Node.js, Express.js, Socket.io, Leaflet, EJS* — August 2024

- Developed high-performance real-time location tracking system supporting 5,000+ concurrent users with sub-100ms latency using optimized WebSocket connections.
- Integrated interactive mapping with Leaflet.js and custom markers, delivering responsive cross-device experience with 95% user satisfaction ratings.
- Designed privacy-first stateless architecture ensuring GDPR compliance while reducing server load by 70% through efficient connection management.

Technical Skills

Languages: JavaScript/TypeScript, Python, Java, C/C++, SQL, HTML/CSS
Frameworks & Libraries: React/Next.js, Node.js, Express.js, Tailwind CSS, Material-UI, Socket.IO
Cloud & DevOps: AWS (EC2, EKS, S3, Lambda, RDS, Cognito), Docker, Kubernetes, Terraform, Git, CI/CD
Databases & AI: MongoDB, PostgreSQL, MySQL, DynamoDB, Gemini AI, RESTful APIs, JWT Authentication
Tools & Monitoring: Grafana, Prometheus, Cloudinary, Vercel, Leaflet, WebSocket, OOP Design Patterns

Achievements

- **Smart India Hackathon 2024 Finalist:** Selected among top 5% of 100,000+ participants nationwide with innovative cloud-native enterprise solution, recognized by Ministry of Education for technical excellence.
- **LeetCode Knight Badge:** Achieved top 5% global ranking with 300+ algorithmic problems solved, demonstrating strong data structures and algorithms expertise.
- **Competitive Programming Excellence:** Consistent top 20% performer in Codeforces and CodeChef contests, solving 300+ complex algorithmic challenges across multiple platforms.

Relevant Coursework

Computer Networks, Cryptography & Network Security, Database Management Systems, Artificial Intelligence, Machine Learning, Image Processing, Object-Oriented Programming, Operating Systems, Software Engineering, Algorithms