

Niranjan P. Kulkarni

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GitHub — LeetCode (400+) — LinkedIn — Portfolio

Summary

B.Tech Computer Science student with elite problem-solving credentials (**AIR 16, IIT Roorkee; 400+ LeetCode**). Skilled in **data structures, algorithms, OOP, and full-stack development**. Recognized for engineering excellence and leadership (Harvard-founded **Aspire Leaders Program**). Passionate about building scalable, high-performance applications and delivering impactful solutions.

Key Achievements

- **AIR 16 – IIT Roorkee Coding Contest:** Top national rank among 5,000+ participants.
- **AIR 75 (Top 0.2%) – Techquezt #22 by Naukri Campus:** Ranked among 28,460+ participants in a coding contest focused on developer thinking and adaptation.
- **Engineering Excellence Award – MFCI Pvt. Ltd.:** Recognized as top intern for impactful delivery.
- **2nd Place – CSESA Coding Challenge:** Secured top-2 rank among 100+ competitors.

Technical Skills

Languages: Java, Python, JavaScript (ES6+), C, SQL
Frameworks & Libraries: React.js, Next.js, Node.js, Express.js

Developer Tools: Git, GitHub, Postman, VS Code

Databases: MySQL, MongoDB, Supabase

Platforms: Vercel, REST APIs, JWT

Core Concepts: Data Structures, OOP, Algorithms, Machine Learning, System Design, SEO

Work Experience

Freelance MERN Developer

Dec 2023 – Present

- Designed and deployed SEO-optimized full-stack apps using **Next.js + MySQL**, improving Lighthouse scores and reducing page load time by 30%.

Web Development Intern | MFCI INDIA Pvt. Ltd.

Sep 2023 – Nov 2023

- Led a 3-member team to deliver an automated reporting platform, saving **10+ hours weekly**.
- Improved backend efficiency by **40%** by reducing redundant API calls and implementing secure JWT authentication.

Projects

- **AtmosAI – Air Quality Platform**
 - Architected an ML-powered platform to forecast PM2.5, **reducing model inference time by 25%** via FastAPI.
 - *Tech Stack: Next.js, FastAPI, scikit-learn, Leaflet, OpenWeatherMap API, Tailwind CSS.*
- **Jarvo Cotton – E-commerce**
 - Engineered a full-stack e-commerce site, **achieving a around 100ms API response** via query optimization.
 - *Tech Stack: Next.js, MySQL, Tailwind CSS, Zustand, React, ZaakPay.*
- **CSE Department Website – Team Lead**
 - Spearheaded a 4-member team to build a departmental portal, **delivering the MVP in just 6 weeks**.
 - *Tech Stack: Node.js, Express, MySQL, EJS (HTML, CSS, JavaScript).*
- **Blognetic – Blog Platform**
 - Built a high-performance blog using **SSG/ISR for optimal load times** and a real-time admin panel.
 - *Tech Stack: NextJS (SSG and SSR), Tailwind, MySQL*
- **Space Shooter – Browser Game**
 - Engineered a browser game with **dynamic wave generation and low-latency controls** using vanilla JS.
 - *Tech Stack: HTML, CSS, JavaScript.*
- **Silicon Minds – IT Solutions Partner**
 - Developed and deployed a professional website for Silicon Minds, enhancing digital presence and client engagement.
 - *Tech Stack: Web Application, HTML, CSS, JavaScript, WhatsApp Integration.*

Education & Certifications

B.Tech. in Computer Science and Engineering

2022 – 2026

Padmabhooshan Vasant Rao Dada Patil Institute of Technology, Sangli

- **Aspire Leaders Program – Harvard Founded (2025)**
- **Relevant Coursework:** DSA, OS, CN, System Design, Web Development, Machine Learning