NALIN DALAL

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CodeForces

PROFILE SUMMARY

Full-stack developer with hands-on experience in JavaScript, Node.js, React.js, Tailwind-CSS, TypeScript, PostgreSQL, Prisma, Next.js and MonoRepo. Experienced in designing real-time APIs, event queues, background jobs, and scalable application architectures. Strong problem-solving skills with competitive programming background and active open source contributions.

I love to solve problems and build solutions on top of them.

EDUCATION

Bachelor of Technology in Computer Science & Engineering
Oriental Institute of Science & Technology, Bhopal   Expected May 2026
Senior Secondary Science & Mathematics
Macro Vision Academy, Burhanpur   Graduated May 2022

TECHNICAL SKILLS

- **Languages:** TypeScript, JavaScript, C++, Rust, Go, Solidity, SQL, Lua
- **Frameworks & Libraries:** React, Next.js (App Router), Node.js, tRPC, gRPC, Tailwind CSS, MonoRepo
- **Database & ORM:** PostgreSQL, Prisma, MongoDB, NeonDB
- **DevOps & CI/CD:** Docker, Kubernetes, AWS, Vercel, GCP, Containerised Builds, Backups, Cost Monitoring, GitHub Actions, YAML Files
- **Tools:** MonoRepo/TurboRepo, Git, Jest, Bash/Zsh, LazyGit
- **Other:** Event queues, background jobs, real-time APIs.

EXPERIENCE

GSSoC Contributor   May 2024 - Oct 2024
- Contributed code, documentation, and enhancements to multiple open source repositories.
- Collaborated with global developers to design scalable front-end and backend systems.

Software Engineer Fellow, Headstarter   Aug 2024 - Oct 2024
- Developed full-stack web applications with React, Node.js, and PostgreSQL.
- Implemented responsive UI, REST/tRPC APIs, and database-backed business logic.

Open Source Maintainer & Competitive Programmer, DEBUG (OIST)   July 2024
- Managed GitHub repositories and led technical onboarding for new contributors.
- Built scalable web applications using Next.js, React, and Node.js.

PROJECTS

- **Full-Stack Blogging Platform (React, Next.js, PostgreSQL, Prisma):** Built and deployed a blogging platform with user auth, CRUD operations, and REST/tRPC endpoints. Hosted via Vercel; implemented responsive UI and Postgres-backed data models.
- **P2P Video Call Application (WebRTC, Node.js):** Designed peer-to-peer video calling app with ID-based rooms and signaling backend. Optimized frontend performance and real-time data handling.
- **Interactive Drawing App (MonoRepo, React, Node.js):** Created collaborative canvas supporting drawing, erasing, and saving shapes in real-time. Demonstrated proficiency with monorepo setup, state management, and canvas APIs.

TECHNICAL ACHIEVEMENTS

- LeetCode rating: 1600+
- Codeforces rating: 1200
- Developed and deployed applications using Docker, Kubernetes, and cloud services.

CERTIFICATIONS

- CCNA M1, M2, M3
- CyberOps Associate
- Python Essentials 1 & 2
- Networking Essentials
- Intro to Cybersecurity