# OMKAR NIKAM

Pune, India | +91 76204 24489 | omnikam2810@gmail.com
github.com/omnikam2810-oss | linkedin.com/in/omkar-nikam-a2aba9372 | omkarnikams-portfolio.netlify.app

## PROFESSIONAL SUMMARY

Computer Engineering student and Full Stack Developer experienced in scalable web applications using React and Node.js, currently exploring React Native for mobile development. Currently working as a Full Stack Developer Intern at DRDO, building responsive interfaces, optimizing REST APIs, and developing modular backend solutions for real-world systems. Strong foundation in DSA, OOP, and Problem Solving, with hands-on Git and deployment experience. Seeking a Software Developer role to apply full-stack skills to real-world product engineering.

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript, SQL, TypeScript

**CS Fundamentals:** Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), MVC, Problem Solving, DBMS

**Frontend:** React.js, Next.js, React Native, Tailwind CSS, Framer Motion, HTML5, CSS3

**Backend:** Node.js, Express.js, REST API Design, Asynchronous Processing, Authentication, Authorization, RBAC

**Databases:** MongoDB, MySQL, PostgreSQL, Redis

**Tools & Platforms:** Git, GitHub, Docker, Postman, Vercel, Render, Railway

**AI:** AI Integration, Prompt Engineering, LLM API Integration, LLMs / OpenAI API / GPT Integration, RAG

## PROFESSIONAL EXPERIENCE

**Full Stack Developer Intern — Defence Research and Development Organisation (DRDO)** **Jan 2026 – Present**

*Pune, India · Secure Intranet Environment*

- Engineered and optimized scalable MERN stack and .NET-based modules within a secure offline intranet environment, focusing on high-performance REST API development and efficient client-server communication.
- Developed and deployed a high-performance IIS Log Analyzer capable of processing large-scale server log data, incorporating real-time traffic monitoring, suspicious IP detection, and status code analytics.
- Built responsive dashboard interfaces using React.js with advanced filtering and log visualization, significantly improving operational visibility of server activity.
- Contributed to backend optimization, asynchronous data processing, and MongoDB integration, enhancing overall application performance and maintainability.
- Adhered to secure software engineering practices and enterprise-level structured workflows appropriate for mission-critical, research-driven systems.

## PROJECTS

**DesignSync — Collaborative Design Delivery Platform**

- Architected and developed a full-stack collaborative platform using the MERN stack, enabling streamlined project management, design delivery, and real-time client collaboration.
- Implemented role-based access control (RBAC), JWT authentication, and secure client-server communication alongside reusable React.js and Tailwind CSS component libraries.
- Designed modular backend services with Node.js and Express.js, including asynchronous data handling and MongoDB integration, ensuring scalability and long-term maintainability.
- Delivered end-to-end architecture covering responsive UI/UX, state management, and production deployment on Vercel and Render.

**FitTrack — Cross-Platform Workout Logging App (In Progress)**

- Currently building a cross-platform fitness tracking application inspired by Hevy, exploring React Native (Expo) to enable users to log workouts, track sets/reps, and view progress history.
- Building the backend with Node.js, Express, and MongoDB, with Cloudinary for image uploads and Docker for local database management.
- Designing a dark-themed, mobile-first UI/UX with smooth navigation, planning to release the app free to maximize accessibility and portfolio impact.

**RepoLens — AI-Powered GitHub Repository Analyser**

- Built a SaaS-based analytics platform using the MERN stack, integrating an LLM API with custom-engineered prompts to generate intelligent repository insights, contribution tracking, and developer productivity metrics.
- Integrated the GitHub API for real-time data fetching and analytics visualization across responsive React.js dashboards.

## EDUCATION

**Bachelor of Engineering — Computer Engineering, Ajeenkya DY Patil School of Engineering** **2023 – 2027**

CGPA: 9 / 10.00