

OMDARSHAN UTTAM SHINDEPATIL

+91 9359037001 | omdarshanpatil@gmail.com | portfolio-omdarshanpatil.vercel.app

 linkedin.com/in/omdarshanshindepatil |  github.com/omdarshan-4964 |  x.com/Omdarshan_jsx

Pune, Maharashtra - 413106, India

SUMMARY

Proactive Computer Science student skilled in **Full-Stack Development (MERN, TypeScript, Next.js)** with experience in **System Design, DevOps (Docker, CI/CD)**, and database management. Passionate about building scalable, high-performance software and open to **Software Engineer, Full-Stack, and DevOps** opportunities.

EDUCATION

- **KIT's College of Engineering Kolhapur (Empowered Autonomous)**

Bachelor of Technology in Computer Science and Business Systems CGPA: 7.69

Jun 2026

Kolhapur, Maharashtra

- **Dr.Kadam Jeevan Vikas Prashala & Jr. College**

Higher Secondary Education Grade: 92.17%

Jun 2021

Pune, Maharashtra

PROJECTS

- **CodeStream - Real-Time Collaborative Code Editor**

Aug 2025 - Sep 2025

Tools: Next.js, TypeScript, Node.js, WebSockets, Docker, Render, Vercel



- Developed a distributed, real-time collaborative editor using Next.js and TypeScript, allowing multiple users to write, edit, and save code simultaneously in a shared cloud environment.
- Engineered the core real-time engine with a Node.js WebSocket server, creating an isolated, session-based "room" architecture to ensure low-latency and secure data synchronization between clients.
- Deployed the multi-service application using a full CI/CD pipeline with Docker, Render (for the WebSocket server), and Vercel (for the Next.js frontend), achieving a scalable, production-ready live environment.

- **Evento - College Event Management System**

May 2025 - Jul 2025

Tools: MERN (MongoDB, Express.js, React.js, Node.js), JWT, RBAC



- Architected a distributed and secure full-stack MERN application featuring a RESTful API with JWT/RBAC and a dynamic React frontend with role-based dashboards, a real-time calendar, and an analytics page.
- Engineered the core conflict-detection system on the backend to prevent double-booking of venues, ensuring data integrity and solving the primary logistical challenge.
- Implemented the complete event lifecycle workflow, from event creation and admin approval to student registration with automatic capacity enforcement.

- **DAIMMP - Decentralized AI Model Marketplace**

Jan 2025 - May 2025

Tools: Node.js, RESTful APIs, Blockchain, AI/NLP API Integration



- Built a secure, multi-service platform for AI model exchange by designing and developing a core RESTful API to manage the lifecycle of AI models and interface with third-party NLP services.
- Integrated blockchain technology to validate and secure transactions, demonstrating an ability to architect complex solutions with a focus on security and data integrity.

TECHNICAL SKILLS

- **Programming Languages:** Java, JavaScript (ES6+), TypeScript, C, C++, Python

- **Frontend Development:** React.js, Next.js, HTML5, CSS3, Tailwind CSS

- **Backend Development:** Node.js, Express.js, RESTful APIs, WebSockets, Security (JWT, RBAC)

- **Databases:** SQL (MySQL, PostgreSQL), NoSQL (MongoDB)

- **DevOps & Cloud:** Docker, Git, GitHub, AWS (EC2, S3 - Foundational), CI/CD

- **Core CS Concepts:** Data Structures & Algorithms, OOP, DBMS, Distributed Systems, Secure Coding Practices

LEADERSHIP EXPERIENCE

- **Secretary (2025) & Technical Co-Head (2024)**

Jan 2024 - Feb 2025

Pioneer, KITCOEK - Indian Society for Technical Education

- Led a national-level event by managing a 19-member core team and 150+ volunteers, while also directing technical and design logistics for over 3000+ participants.

- **Winner (Semester VI) & 1st Runner-Up (Semester III)**

May 2025

PBL Day Competition, KITCOEK

- Secured top positions in project-based learning competitions for developing innovative full-stack solutions, which later became the foundations for the Evento and DAIMMP projects.

CERTIFICATIONS & LEARNING

- **Full Stack Web Development Cohort - 0-100 (Advanced Security)**

- **Actively Learning:** Advanced concepts in AWS, Kubernetes, and Machine Learning.