

OMDARSHAN UTTAM SHINDE PATIL

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

 linkedin.com/in/omdarshanshindepatil |  github.com/omdarshan-4964 |  [LeetCode](https://leetcode.com/omdarshanpatil)

Pune, Maharashtra - 413106, India

OBJECTIVE

Seeking a backend developer role to apply my expertise in **Node.js, REST APIs, distributed systems, and database engineering**. Motivated to build **scalable, secure, and high-performance backend services** that solve real-world problems.

EDUCATION

• KIT's College of Engineering Kolhapur (Empowered Autonomous)

Jun 2026
Kolhapur, Maharashtra

Bachelor of Technology in Computer Science and Business Systems
◦ GPA: 7.69/10

• Dr.Kadam Jeevan Vikas Prashala & Jr. College

Jun 2021
Pune, Maharashtra

Higher Secondary Education
◦ Grade: 92.17%

PROJECTS

• CodeStream - Real-Time Collaborative Code Editor

Aug 2025 - Sep 2025



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

- Built a **real-time collaborative IDE** using **Socket.IO** and **Next.js** to enable seamless multi-user coding.
- Designed a secure **Node.js WebSocket server** implementing room-based syncing for instant code propagation.
- Developed a **remote code execution engine** via Judge0 API supporting multi-language compilation and output.
- Integrated an **AI coding assistant** using Google Gemini API for context-aware debugging and suggestions.
- Architected a **secure production deployment** with frontend on Vercel and backend microservices on Render.

• Evento - College Event Management System

May 2025 - Jul 2025



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

- Built a **secure MERN stack platform** with a **REST API** and **JWT/RBAC** for role-based access control.
- Developed dynamic **React dashboards and forms** for admin approval and student event participation.
- Engineered a **conflict-detection algorithm** on the backend to prevent double-booking of venues.
- Optimized database interactions in MongoDB using indexing, reducing **query response time by 30%** under load.

• DAiMMP - Decentralized AI Model Marketplace

Jan 2025 - May 2025



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

- Contributed to the backend for a **decentralized AI model marketplace**, integrating blockchain + AI services.
- Designed and built the **core REST API** for authentication, model management, and secure data flow.
- Integrated **AI/NLP chatbot APIs** to enable model interaction and automated responses.
- Developed **server logic on Ethereum blockchain** for validating and recording transactions securely.

TECHNICAL SKILLS

- **Programming Languages:** Java, JavaScript (ES6+), TypeScript, C, C++, Python
- **Backend Development:** Node.js, Express.js, RESTful APIs, WebSockets (Socket.IO), JSON Web Token (JWT), Role Based Access Control (RBAC), Prisma
- **Frontend Development:** React.js, Next.js, HTML5, CSS3, Tailwind CSS
- **Database Systems:** SQL (MySQL, PostgreSQL), NoSQL (MongoDB)
- **DevOps & Cloud:** Docker, Git, GitHub, GitHub Co-Pilot, Postman, CI/CD, AWS (EC2, S3), Vercel, Render
- **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 directing **technical and design logistics** for over **3000+ participants**, demonstrating strong teamwork and collaboration skills.

• 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.