

OMDARSHAN UTTAM SHINDE PATIL

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

 linkedin.com/in/omdarshanshindepatil |  github.com/omdarshan-4964 |  LeetCode

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
Bachelor of Technology in Computer Science and Business Systems Kolhapur, Maharashtra
 - GPA: 7.69/10
- Dr.Kadam Jeevan Vikas Prashala & Jr. College** Jun 2021
Higher Secondary Education Pune, Maharashtra
 - 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.