

OMDARSHAN UTTAM SHINDE PATIL

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Pune, Maharashtra - 413106, India

OBJECTIVE

Aspiring Software Engineer with a robust foundation in **full-stack development, cloud infrastructure, and distributed systems**. Proficient in designing **scalable applications** using **Node.js, React**, and modern **DevOps** tools. Eager to leverage technical **problem-solving** skills to build efficient, user-centric software solutions in a dynamic engineering environment.

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

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

- Built a **real-time collaborative IDE** using **Socket.IO & 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.
- Integrated an **AI coding assistant** using Google Gemini API for context-aware debugging and suggestions.
- Architected a **secure production deployment** with frontend on Vercel & backend microservices on Render.

- **Evento - College Event Management System**

May 2025 - Jul 2025

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

- Built a **secure MERN stack platform** with a **REST API** and **JWT/RBAC** for role-based access control.
- Developed dynamic **React dashboards** for admin approval and student event participation.
- Engineered a **conflict-detection algorithm** on the backend to prevent double-booking of venues.
- Implemented the **complete event workflow**, from creation and approvals to student registration.

- **DAiMMP - Decentralized AI Model Marketplace**

Jan 2025 - May 2025

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

- Contributed to the backend for a **decentralized AI model marketplace**, integrating blockchain 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), JWT, 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 Copilot, CI/CD, AWS (EC2, S3), Vercel, Render
- **Core CS Concepts:** DSA, 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**.

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

May 2025

PBL Day Competition, KITCOEK

- Secured top positions for innovative full-stack solutions, demonstrating strong problem-solving skills.

CERTIFICATIONS & LEARNING

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

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