

OMDARSHAN UTTAM SHINDEPATIL

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Pune, Maharashtra - 413106, India

SUMMARY

Results-driven Software Engineer specializing in **secure, scalable systems, distributed computing, and API security**. Experienced in **Unix/Linux environments, machine learning, and information retrieval**. Strong foundation in **Java, C++, and Python**, with skills in **data structures, algorithms, and modern web protocols**. Currently advancing expertise in **AWS, Next.js, and containerization (Docker, Kubernetes)** to build large-scale, mission-critical systems.

EDUCATION

- **KIT's College of Engineering Kolhapur (Empowered Autonomous)** Jun 2026
B.Tech in Computer Science and Business Systems CGPA: 7.69 Kolhapur, Maharashtra
- **Dr.Kadam Jeevan Vikas Prashala & Jr. College** Jun 2021
Higher Secondary Education Grade: 92.17% Pune, Maharashtra

TECHNICAL SKILLS

- **Languages:** Java, C++, Python, JavaScript, TypeScript, C
- **Backend:** Node.js, Express.js, RESTful APIs, JWT, RBAC, Authentication Middleware
- **Frontend:** React.js, Next.js, HTML5, CSS3, Tailwind CSS
- **Databases:** MongoDB, MySQL, PostgreSQL
- **Cloud & DevOps:** AWS (Learning), Docker (Learning), Kubernetes (Learning), Git
- **Systems & Networking:** Unix/Linux Environments, TCP/IP, Distributed Systems
- **AI/ML:** Machine Learning (Basics), NLP (Chatbot API Integration)
- **CS Fundamentals:** Data Structures & Algorithms, OOPs, DBMS
- **Tools & Platforms:** Postman, VS Code, GitHub, Vercel, Render

PROJECTS

- **Evento - College Event Management System** May 2025 - Jul 2025
A full-stack MERN application to solve venue booking conflicts. [GitHub](#) | [Live Demo](#)
 - **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.
- **LifeLink: Blood Donation Management System** Jul 2024 - Nov 2024
A MERN-based platform to streamline blood donation requests. [GitHub](#) | [Live Demo](#)
 - Designed the **backend system** with **Node.js** and **Express.js** to build a secure **RESTful API** for managing data and donation request workflows.
 - Implemented secure **JWT-based authentication** to protect user roles and data, ensuring authorized access to sensitive information.
 - Built a **responsive, real-time dashboard** with **React** and **Tailwind CSS** to allow hospitals and donors to efficiently manage and monitor blood donation statuses.
- **DAiMMP - Decentralized AI Model Marketplace** Jan 2025 - May 2025
A blockchain-powered marketplace for secure AI model exchange. [GitHub](#) | [Live Demo](#)
 - Collaborated on the **backend architecture** for a **multi-service distributed platform**, integrating a web frontend, an AI chatbot, and secure **blockchain services**.
 - Designed and built the core **RESTful API** to manage data flow for authentication and **AI models**, while engineering **server-side logic** to interface with an AI chatbot API and the **Ethereum blockchain** for transaction validation.

HONORS & LEADERSHIP

- **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**.

CERTIFICATIONS & LEARNING

- **Full Stack Web Development Cohort - 0-100** by 100xDevs (Advanced Security Module) May 2024
- **Google Cybersecurity Professional Certificate** Dec 2024
- **Currently Learning:** AWS Solutions Architecture, DevOps (Docker, Kubernetes), Machine Learning 2025