OMDARSHAN UTTAM SHINDE PATIL

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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.
  ∘ Implemented the **complete event workflow**, from creation and approvals to student registration and tracking.

- **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.