

OM PATOLE

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EDUCATION

School of Engineering & Technology, Shivaji University

Bachelor of Technology in Computer Science; CGPA: 6.10/10.0

Kolhapur, Maharashtra

Expected Graduation: 2027

TECHNICAL SKILLS

Languages: JavaScript, Python, Java, C++, SQL, HTML/CSS

MERN Stack: MongoDB, Express.js, React.js, Node.js, Redux

AI/ML: Gemini API, Prompt Engineering

Cloud & Tools: Google Cloud Platform, Firebase, Docker, Git, RESTful APIs, JWT, Postman

PROFESSIONAL EXPERIENCE

Generative AI Intern

Sep 2025 – Oct 2025

NASSCOM FutureSkills Prime

Remote

- Developed AI-powered applications using OpenAI GPT, LangChain, and vector databases for production use cases
- Implemented RAG (Retrieval Augmented Generation) pipeline achieving 85% accuracy in document Q&A system
- Built conversational AI chatbot with context retention and integrated Gen AI with MERN stack applications

Technical Intern - Networking Unit

Nov 2025 – Jan 2026

Department of Technology, Shivaji University

Kolhapur, Maharashtra

- Administered network infrastructure supporting 5,000+ users, maintaining 99.5% uptime across campus
- Configured network devices and implemented monitoring solutions improving efficiency by 30%
- Identified and reported critical bugs within the campus website portal, enhancing site security and stability
- Deployed secure Wi-Fi across 20+ buildings and documented network topology for maintenance procedures

PROJECTS

XeroGuard | React.js, Node.js, Document Privacy, Encryption

Ongoing

- Developing a document privacy solution that allows clients to control the number of physical copies permitted for printing.
- Implementing secure file handling protocols to prevent unauthorized digital duplication and ensure document integrity.
- Designing a user-centric dashboard for clients to set permissions and monitor document access in real-time.

Custom Captive Portal for Ruckus Wi-Fi | HTML/CSS, JavaScript, Networking

2025

- Designed and deployed a responsive captive portal for university-wide Wi-Fi authentication using Ruckus Wireless controllers.
- Integrated secure user login flow and session management to handle high-volume campus traffic.
- Collaborated with the networking unit to ensure seamless redirection and compatibility across devices.

University CGPA Calculator | React.js, Tailwind CSS

2025

- Developed a web-based calculator tailored to the Shivaji University grading system for accurate CGPA/SGPA prediction.
- Implemented dynamic input fields and real-time state management to calculate results across multiple semesters.

ACHIEVEMENTS & CERTIFICATIONS

Smart India Hackathon 2024 Runnerup

2024

NASSCOM Gen AI Certification

2025

- Mastered LLMs, prompt engineering, and RAG systems through the NASSCOM FutureSkills Prime program.

Google Cloud Arcade Facilitator - Cohort 1

Jan 2025 – June 2025

- Earned 15+ skill badges in Cloud Computing, Machine Learning, and Kubernetes Engine.

Competitive Programming

- Active participant on LeetCode; solved problems focusing on Data Structures and Algorithms.