

# 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:** OpenAI API, LangChain, RAG, Prompt Engineering, Vector Databases

**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 strictly control and limit the number of copies a shopkeeper can print.
- Implementing secure file handling protocols to prevent unauthorized digital duplication and ensure document integrity.
- Designing a user-centric dashboard for clients to set print 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*

2024

- 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 Participant**

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**

2025

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

**Competitive Programming**

- Active participant on LeetCode and CodeChef — 4-star CodeChef, 5-star HackerRank rating.