# Rajratan Mathpati

Mobile No.: +91 8483039017

GitHub    LinkedIn

Email: rajratna2802@gmail.com

## EDUCATION

**Modern College of Arts, Commerce & Science**                                          Pune, Maharashtra, India
Bachelor of Computer Application; GPA: 8.5                                        September 2022 - May 2025

**Vishwakarma University**                                                                        Pune, Maharashtra, India
Master of Computer Applications; CGPA: TBD                        July 2025 - May 2027 (Currently Pursuing)

## SKILLS  SUMMARY

**Languages:**        Java, Python, Node.js, JavaScript, SQL, Bash
**Databases:**        MySQL, PostgreSQL
**Infrastructure:**    Docker, Linux.
**Automation:**       Docker Compose, Docker
**DNS/Networking:**  SSH Management

## WORK EXPERIENCE

### AI-Driven Development Specialist – AI for India Program
*Hands-on AI Development Experience | 2024*

- Built and deployed production-ready AI solutions with emphasis on scalability, performance, and reliability.

- Developed GenAI-powered applications using prompt engineering, agentic workflows, and workflow optimization.

- Integrated AI chatbots and backend services with existing systems using REST APIs and secure data handling.

- Gained practical experience with GenAI concepts, RAG-based knowledge systems, and AI evaluation frameworks.

- Implemented scalable backend logic with proper error handling, logging, and monitoring.

- Followed secure coding practices and participated in code reviews to ensure production-grade AI integrations.

## PROJECTS

**Dermaguide: AI-Powered Medical Diagnosis Platform**                              August 2024 - January 2025

Node.js, Express.js, MySQL, REST APIs, JSON/XML, AI Integration, User Authentication, Data Encryption

◦ Secure Data Handling: Implemented secure image upload and processing system with data encryption and privacy compliance measures, handling 1000+ monthly users with 99.5% uptime.

◦ Geolocation Services: Built intelligent geolocation-based recommendation system to connect patients with nearby dermatologists for consultation and appointment scheduling integration.

◦ RESTful API Architecture: Engineered RESTful APIs for seamless frontend-backend communication with JSON/XML data serialization, request-response pattern handling, and async workflows for real-time updates.

◦ Database Optimization: Designed efficient MySQL database schema with proper indexing and query optimization techniques, achieving sub-second response times for improved user experience.

**Watch-Net: VR-Enabled Streaming Platform**                                              July 2023 - April 2024

Node.js, Express.js, MySQL, REST APIs, Authentication, VR Integration, Web Optimization

◦ Full-Stack Streaming Application: Designed and deployed full-stack streaming platform supporting movies, web series, and immersive VR viewing experience with support for 10K+ concurrent users.

◦ Content Delivery System: Implemented secure content delivery with download capabilities for desktop and mobile platforms, handling 100M+ hours of content streamed with 99.8% availability.

◦ Backend API Design: Built robust backend APIs for content management, user authentication, payment gateway integration, and stream handling with proper authorization and access control

## CERTIFICATES

**AI for India - Certificate**                                                                                          July 2024

- Completed the AI-Driven Development Specialist training, demonstrating practical skills in building and deploying scalable AI applications integrating backend services and AI workflow.

**Cybersecurity Fundamentals - <span style="color:blue">Certificate</span>**        Jan 2025

- Completed hands-on training in network security, vulnerability assessment, penetration testing, and cybersecurity fundamentals using industry-standard tools and practices.
-