MUKESH PATEL SCHOOL OF
TECHNOLOGY MANAGEMENT
& ENGINEERING
NMIMS
SVKM's
Deemed to be UNIVERSITY

**AAYUSHI RAJPUT**
**BTech Computer Science and Batch - 2026**
**Date of Birth: 16-02-2004**

## Education

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| **MPSTME, NMIMS University** | **2022 - 2026** |

B. Tech in Computer Science
CGPA: 3.63/4

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| **St. Mary's Convent Senior Secondary school** | **2021 - 2022** |

CBSE: 83.8

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| **St. Mary's Convent Senior Secondary school** | **2019-2020** |

CBSE: 82.6

## Projects

**NutriChef – Smart Food & Diet Recipe Chatbot** | May 2025 – Jun 2025 | LINK
- Integrated Google Gemini API for natural language understanding, achieving 92% intent-recognition accuracy across 20+ dietary and health-goal intents.
- Built a hybrid recipe engine combining a 15,000+–row CSV database with external nutrition APIs, delivering 10 personalized recipe suggestions per session and increasing user satisfaction scores by 30%.
- Designed a responsive chat interface with Tailwind CSS, resulting in 4.8/5 average usability rating and 40% higher mobile engagement.

**Heaven Stay – Hotel Booking Application –** | Dec 2024 – Feb 2025 |
- Built a responsive hotel booking platform using Oracle APEX, enhanced with custom HTML/CSS for seamless user experience and mobile compatibility.
- Implemented secure booking workflows with SQL/PLSQL, enabling real-time room selection, online payments, and automated email confirmations.

**ML-Based Customer Churn Prediction & Chatbot** | Oct 2024 – Nov 2024 | LINK
- Developed an ensemble model (Random Forest, XGBoost, Logistic Regression) with AUC 0.89 and 95% test-set accuracy on a 10k-row banking dataset.
- Optimized inference pipeline to reduce average latency from 200 ms to 160 ms (20% improvement), enabling real-time predictions.
- Deployed a Flask-based chatbot handling 1,000+ weekly customer queries, cutting manual support tickets by 30% and improving first-contact resolution by 25%.

**Shop Mart Cart** | Jan 2025 – May 2025| LINK
- Built a full-stack e-commerce platform "Shop Mart Cart" using React.js, Tailwind CSS, Node.js, and Supabase, enabling seamless browsing, real-time search, and category filtering for 500+ products with an average load time under 2 seconds.
- Integrated secure checkout with Stripe, facilitating 100+ daily transactions with a payment success rate over 99% and end-to-end encryption for user data and order processing.

## Internships

Oracle APEX  | Dec 2024 – Feb 2025|
- Built interactive web applications using Oracle APEX, focusing on low-code development for real-time data management, reporting, and dashboard creation.
- Collaborated with cross-functional teams to design and optimize SQL queries, improve UI/UX, and ensure data integrity across enterprise-grade applications.

## Certifications & Publications

- Research paper "**The Role of Artificial Intelligence in Market Prediction, Customer Retention, and Churn Modelling**" accepted at "4th International Conference on Next Generation Technologies for Sustainable Development (**ICNGT-2025**)" LINK
- Internship Completion Certificate at Oracle APEX
- Hacker Rank Certification of assessment completion of Java(Basic) LINK

## CORE SKILLS

**Technical Skills-** C++ | Python | SQL | PL/SQL | HTML | CSS | JavaScript | Next.js | Node.js | Tailwind CSS | Flask | FastAPI | Scikit-learn | XGBoost| OpenCV | Matplotlib | Pandas | MongoDB | PostgreSQL  | POWER BI
**Soft Skills-** Problem Solving | Data Structures & Algorithms | Team Collaboration | Effective Communication | Time Management

## Achievements and Positions of Responsibility

- Solved over 100+ coding and problem-solving questions.