**MUKESH PATEL SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING**
NMIMS

**RAJAT BANDEKAR**
**BTech Computer Engineering 2026**
**Date of Birth: 15/01/2004**

## Education

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

B. Tech in Computer Engineering
CGPA: 3.61/4.00

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| **PACE Junior Science College (Andheri)** | **2022** |

HSC: 67%

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| **Gokuldham High School** | **2020** |

ICSE: 96.67%

## Projects

**Distributed Voting System - 2025**
Built a fault-tolerant voting system in Java using Sockets and Distributed Systems concepts. Implemented Bully algorithm for leader election and heartbeat-based failure detection.

**Animal Classification with MobileNetV2 - 2025**
Developed an animal image classifier in Python using TensorFlow/Keras, OpenCV, NumPy, and Matplotlib. Used preprocessing, augmentation, and fine-tuning on the Zoo 2000 dataset.

**Microservices Voting System - 2025**
Engineered a scalable voting platform using Java Spring Boot, MySQL, Kubernetes, Eureka, Spring Cloud Gateway, and Java Mail. Included concurrency control, secure API routing, and real-time result aggregation.

**Route Extraction from Graph Images - 2024**
Created an OCR-based route extraction tool using Python, OpenCV, Pytesseract, and NumPy. Parsed diagram images, built graph representations, and applied Dijkstra's algorithm for shortest path.

**Traditional Checkers Game - 2023**
Built a local two-player Checkers game in Java using JavaFX. Implemented complete game logic, GUI design, and mouse interaction features.

## Certifications

- AWS Cloud Technical Essentials (Coursera) - 2025
- Bloomberg Market Concepts (BMC) - 2025
- Bloomberg Finance Fundamentals (BFF) - 2025
- Game Theory (Stanford/Coursera) - 2024
- Financial Markets (Yale/Coursera) - 2024

## CORE SKILLS

**Technical Skills**

- Languages: Python, Java, JavaScript
- AI/ML Frameworks: TensorFlow, Keras, PyTorch, scikit-learn
- Data Science Tools: NumPy, SciPy, Pandas, Matplotlib, Seaborn, OpenCV
- Cloud & Distributed Systems: Kubernetes, Kafka, Eureka, Spring Cloud Gateway, Docker
- Databases & Messaging: MySQL, MongoDB, SQL, Firebase
- Tools & Platforms: Git, Pytesseract

**Soft Skills**

- Leadership, Problem Solving, Collaboration, Communication, Critical Thinking, Design Thinking

## Achievements and Positions of Responsibility

- I volunteered at INSEED (Kandivali), an NGO, where I taught children and participated in anti-plastic and people empowerment drives (2023).
- I have a contest rating of 1649 on Leetcode and have solved over 300 DSA problems.
- Member of the Research and Development Team, Association for Computing Machinery (ACM), MPSTME (2023).
- Served as Research and Development Sub-Head, Robotics and Automation Society, MPSTME (2024).