



## **Education**

### **MPSTME, NMIMS University**

BTech in Computer Engineering

CGPA: 3.67/4

**2023 - 2026**

### **MPSTME, NMIMS University**

Diploma in Computer Engineering

CGPA: 3.60/4

**2020 - 2023**

### **Lilavatibai Podar**

ICSE: 85.83%

**2020**

## **Projects**

### **Trip Planner | Spring Boot, Java, Docker, Kubernetes – 2025**

Engineered a microservices-based travel planning platform with User, Itinerary, Activity, and Booking services. Designed system architecture and microservice interactions, developed REST APIs, integrated Spring Cloud Gateway with Eureka Server, and containerized the deployment using Docker and Kubernetes. Secured endpoints with Spring Security and JWT-based role access control.

### **Price Optimization System | Python, ML, RL – 2025**

Developed a dynamic pricing system by integrating machine learning (ML) forecasting with reinforcement learning (RL)-based decision-making, using Walmart sales data. Trained and evaluated multiple ML models on the same dataset to compare forecasting performance. Deployed RL agents (DQN, DDPG, PPO) in a custom Gym environment to simulate market behaviour and optimize pricing strategies, comparing them against fixed pricing.

### **NutriTrack | Android, Java, Firebase – 2024**

Built a fitness app with Firebase authentication, BMI tracking, food logging, nutritional info, and step counting. Designed intuitive UI/UX and implemented core system functionality including AI-powered food scanning for nutritional analysis and recommendations.

### **Gaming Essentials | DBMS, MySQL – 2023**

Designed and implemented a fully normalized (BCNF) relational database system for a gaming retail hub. Created system architecture, ER diagrams, and interactive relational schemas, optimizing SQL queries for efficiency and integrity across all tables and relationships.

## **Certifications**

- "GenAI Powered Data Analytics Job Simulation" – Tata & Forage
- "Introduction to Tableau" - upGrad
- "Basics in ML" - UniAthena in partnership with Cambridge International Qualifications, UK
- "AWS Academy Graduate – AWS Academy Cloud Architecting" – AWS Academy
- "Basics of Microsoft Power BI" - UniAthena in partnership with Cambridge International Qualifications, UK
- "UiPath Academy Automation Developer Associate Training" Diploma

## **Core Skills**

### **Technical Skills**

- Programming Languages: Python, Java, C++, SQL
- Web Development: HTML, CSS, JavaScript, React
- Frameworks & Tools: Spring Boot, Docker, Kubernetes, RPA, Tableau
- Game Development: Unity (C#)
- IDEs: VS Code, IntelliJ IDEA, Google Colab
- Machine Learning: Scikit-learn, TensorFlow, Pandas, Numpy

### **Soft Skills**

Communication, Teamwork, Problem-Solving, Adaptability, Leadership

## **Achievements and Positions of Responsibility**

- Participated in Walmart Sparkathon 2025, Contributed a solution to a national innovation hackathon
- Represented school basketball team in MSSA and DSO competitions
- Represented football team FSI in multiple tournaments, winning medals and trophies
- Completed community service with the Afroz Shah Foundation (beach cleanups, educational initiatives)
- Helped in organizing a series of sports events, held by the TEE foundation