



## **Education**

### **MPSTME, NMIMS University**

B. Tech Integrated in Computer Engineering  
CGPA: 3.26/4

**2023 - 2026**

### **MPSTME, NMIMS University**

Diploma in Computer Engineering  
CGPA: 3.31/4

**2020 - 2023**

### **Kaumaram Sushila International Residential School**

IGCSE: 77.8%/100

**2019 - 2020**

## **Projects**

### **2D Floor Plan Generator | 2025**

- Developed AI-powered building design automation system that processes Mumbai DCPR regulations (500+ pages) into a searchable vector database using ChromaDB and sentence-transformers, reducing regulatory compliance checking from weeks to seconds
- Built intelligent floor plan generator using Python algorithms that creates architecturally-sound apartment layouts with natural room adjacencies, achieving good utilization efficiency and regulatory compliance to some extent.
- Architected full-stack web application using Flask, SQLite, and REST APIs that handles multi-format output generation (PNG visualizations, DXF CAD files, JSON data).

### **Bankify – Microservices-Based Banking System | 2025**

- Developed microservices architecture using Java Spring Boot for user management, accounts, and transactions
- Implemented Apache Kafka for asynchronous inter-service communication and data consistency
- Configured PostgreSQL databases with proper schema design for each microservice
- Set up Eureka service registry for service discovery and API Gateway for request routing
- Containerized all services using Docker and configured basic local orchestration
- Built REST APIs with JWT authentication for secure user access and session management

### **Web Browser with JavaFX | 2023**

- Developed desktop web browser application using JavaFX with core navigation functionality
- Implemented HTTP request handling and basic HTML parsing for webpage rendering
- Built user interface with address bar, navigation buttons, and browsing history management
- Added bookmark functionality and tab-based browsing for improved user experience

## **Certifications & Publications**

- Analyse Data to Answer Questions
- Process Data from Dirty to Clean
- Prepare Data from Exploration
- Foundations: Data, Data, Everywhere
- Ask Questions to make Data Driven Decisions
- Neural Networks and Deep Learning
- Improving Deep Neural Networks: Hyperparameter Tuning, Regularization

## **CORE SKILLS**

**Technical Skills:** C++, Java, Python, MySQL

**Soft Skills:** Willingness to learn, Teamwork, Creativity, Adaptability

## **Achievements and Positions of Responsibility**

- Part of Digital creatives in MUN committee, NMIMS.
- Participated in GDSC Hyphen Ideathon - Developed and pitched solution concept for real-world problem in assigned domain vertical
- Helped in Rotary Coimbatore to teach Students