

MUHAMMED SHAJEEH M

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Experience

AI Trainee

2025

NIELIT Calicut

Calicut, Kerala

- Completed a hands-on bootcamp covering machine learning concepts, model building, and applied AI techniques, reflecting strong *self-learning* and *analytical thinking*.
- Worked on real-world AI problem statements and implemented solutions using Python-based tools and frameworks.

Projects

HostelFlow – Smart Hostel Management System | MongoDB, Express.js, React.js, Node.js

2026

- Designed and built a full-stack MERN hostel management platform with Role-Based Access Control (RBAC) for 4 roles: Administrator, Warden, Student, and Parent — demonstrating *problem solving* and *critical thinking*.
- Developed modules for student registration, room allocation, leave management, complaint tracking, attendance, fee payments, and real-time push notifications.
- Integrated Razorpay payment gateway for secure online fee collection and automated receipt generation.
- Engineered a QR-code based gate pass system for real-time student entry/exit verification.
- Secured the application using JWT authentication and bcrypt; built real-time features with Socket.IO.
- Deployed on Vercel (frontend), Render (backend), and MongoDB Atlas — managing the full delivery pipeline within a *deadline-driven* personal project timeline.

Education

KMCT Institute of Technology and Management

2023 – Expected May 2027

B.Tech in Computer Science and Engineering

Kuttippuram, Kerala

Relevant Coursework

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|-----------------------|------------------------|---------------------|-------------------|
| • Data Structures | • Database Management | • Operating Systems | • Object-Oriented |
| • Algorithms Analysis | • Software Engineering | • Computer Networks | Programming |

Skills

Languages: Python, Java, C

Web Development: HTML, CSS, JavaScript

Databases: MongoDB, MySQL

Tools & Platforms: Git, GitHub, Postman, VS Code, Vercel, Render

Soft Skills: Problem Solving, Critical Thinking, Team Collaboration, Communication, Adaptability, Attention to Detail, Self-Learning, Time Management

Certifications

JavaScript Programming Essentials	IBM 2025
Databases and SQL for Data Science with Python	IBM 2025
Introduction to Software Engineering	IBM 2025
Introduction to HTML, CSS and JavaScript	IBM 2025
Getting Started with Git and GitHub	IBM 2025
Programming for Everybody (Getting Started with Python)	University of Michigan 2025
Python Zero to Hero	Udemy 2026

Achievements & Participation

- Participated in **APJAKTU TECHFEST & KETCON 2024** hosted by Ahalia School of Engineering and Technology, Palakkad.