# NITHIN PEDDAPELLY

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## GitHub | LinkedIn | Portfolio

**WATERFALL IN A DESERT** that's what my solutions feel like: rare, refreshing, and impossible to ignore.

Now that I have your attention, let me introduce myself: I'm a B. Tech Computer Science Engineering graduate, began with Java, taught myself the MERN stack, and now explore Data Science. adapting fast, building scalable solutions with curiosity and precision.

### **TECHNICAL SKILLS**

Languages: Java, JavaScript. Web: Express.js, React.js, Node.js,

Databases: MongoDB, Mongoose, MySQL

Dev Tools: Git, GitHub, WebRTC, Socket.io, REST APIs

Cloud/Deployment: AWS EC2, AWS S3,

#### **PROJECTS**

Version Control System EON [On Going] -> GitHub

Node.js, Express, React, MongoDB, Socket.io

- Built a web-based Git-like version control system with commands like 'launch', 'seal', and 'orbit'.
- Implemented real-time commit, branch, push/pull functionality using WebSocket and REST APIs.
- Managed cloud deployment using AWS (EC2, S3) for scalability and file handling.
- Video Conferencing web app Mar 2025 Hosted -> Link 🔗

MERN Stack, WebRTC, Socket.io |

- Developed a secure video meeting platform with features like screen sharing, chat, and room persistence.
- Handled real-time signaling and media stream management with WebRTC and Socket.io.
- Implemented user authentication and frontend dashboard with React and MUI.

#### • House Price Prediction - ML Model - 2024

Python, Pandas, scikit-learn

- Built a regression model predicting house prices with 16% improved accuracy on top of default via feature optimization.

#### **EDUCATION**

B. Tech – Computer Science and Information Technology Engineering Jawaharlal Nehru Technological University Hyderabad, MLRIT | 2021 – 2024 | CGPA: 6.9

## **POSITIONS OF RESPONSIBILITY**

- Lead Graphic Designer, Avinya - Student Body (2022–2024)

## **CERTIFICATIONS**

- Java Apna College (Alpha DSA)
- Machine Learning & Image Processing Cisco ThingQbator
- Mobile App Development Cisco ThingQbator
- SQL HackerRank

### **ACHIEVEMENTS**

- Finalist, Cisco ThingQbator Product Track ParkFair
- Runner-Up, Esprit-Critique Critical Thinking Challenge.