NITHIN PEDDAPELLY

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GitHub | LinkedIn

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.