DEEPAK MAHATO

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SUMMARY

Full-stack MERN developer and B.Tech Computer Science& Engineering student with hands-on experience building scalable web applications, secure JWT-based authentication, and modular backend systems. Strong foundation in React, Node.js, MongoDB, and system design, with a focus on performance optimization and real-world product engineering.

TECHNICAL SKILLS

Frontend : React.js, HTML5, CSS3, JavaScript (ES6+), Tailwind CSS

Backend : Node.js, Express.js, REST APIs, JWT Authentication, MVC Architecture

Database : MongoDB, Mongoose

DevOps & Tools : Git, GitHub, Postman, Docker (Basics), Linux, VS Code

Core Concepts : System Design (Mini-Services), Caching, Rate Limiting, API Security, Async Programming

Programming Languages : Java , Python, C , SQL

PROJECTS

Real-Time Chat Application
React,Node.js, Express,MongoDB,Socket.IO,JWT
- Developed a real-time messaging system supporting 100+ concurrent users using WebSockets.
- Implemented secure JWT-based authentication with private and public chat rooms.
- Reduced message latency by 35% via optimized socket event handling.

E-Commerce Platform — Full-Stack Web Application
React,Node.js,Express, MongoDB, JWT, StripeAPI
- *Built a complete e-commerce platform with authentication, product listings, cart, and checkout, tested with 300+ simulated users.*
- *Integrated Stripe test APIs to process 100+ transactions and implemented role-based admin control.*
- *Achieved <400ms average API response time through modular backend architecture.*

Notification & Analytics Dashboard — Mini SaaS System
React, Node.js, Express, MongoDB, Redis, JWT
- Built an analytics dashboard aggregating events from 3+ backend services.
- Implemented role-based access control and protected admin routes.
- Improved API performance by 45% using Redis caching and rate limiting.

ACHIEVEMENTS

- Built4+ full-stack MVPsfocused on scalability and performance.
- Designed backend systems handling 1,000+ API calls/day in development environments.
- Solved 200+ DSA problems across coding platforms.
- Maintained 95%+ uptime for hosted development servers during testing.

EDUCATION

National Institute of Information and Technology (NIST) *Bachelor of Technology – Computer Science& Engineering*	Berhampur *2023 – 2027*
Xavier School,Gamharia - *Intermediate ICSE*	Jamshedpur 2020-2022

CERTIFICATIONS

- Certification on Advance Programming and C Programming from NIST University, Berhampur Odisha
- Certification on Android App Development from NIST University, Berhampur Odisha