Nitesh Mishra

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Summary

Full Stack Developer with expertise in backend engineering, REST API development, & cloud deployment using Node.js, Express.js, AWS, & MongoDB. Skilled in building scalable real-time applications & collaborative platforms with technologies like WebSockets & Redis. Strong foundation in algorithms and competitive programming.

Education

Jaypee University of Engineering and Technology, Guna (M.P)   Aug 2022 – Present
B.Tech. – Computer Science & Engineering   CGPA: 8.1

Relevant Coursework

Data Structures & Algorithms, Operating Systems, Computer Networks, Database Management Systems, Software Engineering, Object-Oriented Programming (C++), Full Stack Development.

Experience

Web Developer Intern, Proxenix   [Certificate]   May 2025 – July 2025
Built and deployed RESTful APIs and modular React components, improving backend response times by 30% and reducing frontend development effort by 20%.

Projects

QuickAI – AI-Powered Creative Suite

- Architected a full-stack AI app (React 19, Node.js, Express) for article generation, image editing, and resume review, serving 200+ users with <2s API response time.
- Integrated OpenAI/Gemini APIs and Clerk authentication with Tailwind CSS UI, ensuring secure, responsive user experience.
- Orchestrated Vercel deployment with a freemium model, sustaining 99.9% uptime for all users.

AI-Powered Real-time Chat App   Live Demo

- Integrated Google Gemini API for smart task suggestions, enhancing user productivity by 35%.
- Applied Redis caching and WebSocket protocols to optimize message delivery by 40%.
- Structured a secure socket-based communication layer with authentication, reducing unauthorized access by 70%.
- Enriched user experience with features like file tree navigation, embedded code editor, and live preview.

Video Calling Interview Platform

- Integrated core modules: authentication (Clerk), database management (Convex), and video calls (Stream), reducing development time by 30%.
- Enabled screen sharing, meeting recording, and scheduling to streamline interview workflows, improving evaluation efficiency by 45% and reducing scheduling conflicts by 25%.
- Applied Tailwind CSS & Shadcn to design a responsive & accessible UI, boosting user satisfaction scores by 40%.

Skills

Languages: C/C++, JavaScript, SQL
Backend: Node.js, Express.js, RESTful APIs, Redis, Socket.IO, JWT Authentication
Frontend: React.js, Tailwind CSS, Shadcn UI, Clerk Authentication
DBs: MongoDB, Convex, NeonDB
Tools: Git, GitHub, Postman

Certifications & Achievements

- Udemy – Mastering Data Structures & Algorithms in C/C++ [Credential]
- Solved 250+ Data Structures & Algorithms problems on LeetCode and GeeksforGeeks.
- GDSC Volunteer – supported coding events and mentored peers in algorithms and software development.
- Finalist - Smart India Hackathon (SIH) 2024