Himesh Sharma

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Professional Summary

Full Stack Developer specializing in full stack development with expertise in building scalable web applications, RESTful API design, secure authentication systems, and database optimization. Proven track record in reducing page load times and implementing JWT authentication. Strong problem-solving skills with 450+ DSA problems solved.

Technical Skills

Programming Languages: C++, JavaScript, SQL, HTML5

Frontend Technologies: React.js, GSAP, Tailwind CSS

Backend Technologies: Node.js, Express.js, RESTful API, JWT Authentication, Middleware, MVC Architecture

Database: MongoDB, MySQL, Mongoose ODM, NoSQL, SQL

Developer Tools: Git, GitHub, Postman, VS Code, Chrome DevTools, npm, Cloudinary, Vercel

Core CS: Data Structures and Algorithms, Object-Oriented Programming, DBMS, Operating Systems

Education

National Institute of Technology (NIT) Hamirpur	**August 2021 - May 2025**
Bachelor of Technology in Electronics and Communication Engineering, CGPA: 7.25/10.0	Hamirpur, HP
Minerva Senior Secondary School	**2021**
Higher Secondary Certificate, Class XII (HPBOSE), Percentage: 97.4%	Ghumarwin, HP

Projects

Subscription Tracker - Secure Backend System   **Node.js, Express.js, MongoDB**

GitHub Repository

- Engineered secure RESTful API backend with JWT authentication and role-based authorization (RBAC) for protected routes.
- Designed MongoDB schemas using Mongoose ODM with validation rules and pre-save hooks for automatic renewal date calculation.
- Built protected CRUD API endpoints with proper access control, error handling, and RESTful API best practices.
- Integrated Arcjet security middleware for API rate limiting and bot protection to prevent abuse.

FoodReel - Content Sharing Platform   **React.js, Node.js, Express.js, MongoDB**

GitHub Repository

- Developed full-stack MERN application with reel-based content sharing, user authentication, media uploads, and social engagement features including likes and comments.
- Architected RESTful APIs with pagination, optimized MongoDB queries using indexing, and implemented JWT authentication with role-based access control.
- Integrated Cloudinary API for cloud-based media storage, image compression, and video streaming optimization, reducing page load time by 30%.
- Built responsive SPA frontend using React.js with component-based architecture, React Hooks for state management, and dynamic routing.

Personal Portfolio - Interactive Web Application   **React.js, GSAP, Tailwind CSS**

GitHub Repository — Live Demo

- Created interactive macOS-inspired portfolio using React.js with modular component architecture and responsive design principles.
- Implemented advanced GSAP animations with custom timelines, window lifecycle management, and dynamic z-index layering.
- Optimized performance through code splitting, lazy loading components, and responsive UI design using Tailwind CSS utility-first framework.

Achievements

- Solved 450+ Data Structures and Algorithms problems across LeetCode, CodeStudio, GeeksforGeeks, and Codeforces platforms.
- Achieved LeetCode Contest Rating of 1541 showcasing strong analytical skills and time complexity optimization.
- Completed professional certifications in Backend Development with Node.js and Full-Stack Web Development from Udemy.
- Executive at PIXONOIDS (Core Media Club), NIT Hamirpur (2023-Present): Led planning and execution of media coverage for college events.