

# HIMESH SHARMA

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## PROFESSIONAL SUMMARY

Full Stack Developer specializing in MERN 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+ Data Structures and Algorithms problems solved. Seeking Software Engineer or Full Stack Developer roles.

## TECHNICAL SKILLS

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

**Frontend Technologies:** React.js, GSAP, Tailwind CSS

**Backend Technologies:** Node.js, Express.js, RESTful API, REST 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 Computer Science:** Data Structures and Algorithms, Object-Oriented Programming (OOP), DBMS, Operating Systems

## EDUCATION

### National Institute of Technology (NIT) Hamirpur

Hamirpur, HP

Bachelor of Technology (B.Tech) in Electronics and Communication Engineering, CGPA: 7.25/10.0

August 2021 – May 2025

### Minerva Senior Secondary School

Ghumarwin, HP

Higher Secondary Certificate, Class XII (HPBOSE), Percentage: 97.4%

2021

## PROJECTS

### Subscription Tracker - Secure Backend System

Node.js, Express.js, MongoDB

[GitHub Repository](#)

- Engineered secure RESTful API backend system using Node.js and Express.js to manage user subscriptions with JWT-based authentication and role-based authorization (RBAC) for protected routes.
- Designed MongoDB database schemas using Mongoose ODM with validation rules, pre-save hooks for automatic renewal date calculation, and subscription status management ensuring data integrity.
- Built protected CRUD API endpoints (Create, Read, Update, Delete) enabling users to manage subscription records 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, ensuring system reliability and security compliance.

### FoodReel - Content Sharing Platform

React.js, Node.js, Express.js, MongoDB

[GitHub Repository](#)

- Developed full-stack MERN (MongoDB, Express.js, React.js, Node.js) 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 secure JWT authentication with role-based access control for admin and user privileges.
- Integrated Cloudinary API for cloud-based media storage, image compression, video streaming optimization, and content delivery network (CDN), reducing initial page load time by 30%.
- Built responsive Single Page Application (SPA) frontend using React.js with component-based architecture, React Hooks for state management, dynamic routing, and documented REST APIs using Postman.

### Personal Portfolio - Interactive Web Application

React.js, GSAP, Tailwind CSS

[GitHub Repository](#) | [Live Demo](#)

- Created interactive macOS-inspired portfolio website using React.js with modular component architecture, efficient state management, and responsive design principles.
- Implemented advanced GSAP (GreenSock Animation Platform) animations with custom timelines, window lifecycle management, smooth transitions, and dynamic z-index layering for enhanced user experience.
- Optimized application performance through code splitting, lazy loading components, performance-conscious animations, and responsive UI design using Tailwind CSS utility-first framework ensuring cross-browser compatibility.

## ACHIEVEMENTS

- Solved 450+ Data Structures and Algorithms problems demonstrating proficiency in problem-solving, algorithmic thinking, and competitive programming across LeetCode, CodeStudio, GeeksforGeeks, and Codeforces platforms.
- Achieved LeetCode Contest Rating of 1541 showcasing strong analytical skills, time complexity optimization, and coding efficiency under competitive conditions.
- Completed professional certifications in Backend Development with Node.js and Full-Stack Web Development from Udemy, demonstrating commitment to continuous learning and skill development.
- Executive Member at PIXONOIDS (Core Media Club), NIT Hamirpur (2023-Present): Led planning and execution of media coverage for college events, demonstrating leadership and project management skills.