Himesh Sharma

🌐 Portfolio

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EDUCATION

NITH - National Institute of Technology, Hamirpur	**Himachal Pradesh**
B.Tech - Electronics and Communication Engineering — CGPA: 7.25	*2021 – Present*
Minerva Sr. Sec. School Ghumarwin	**Himachal Pradesh**
Class XII (HPBOSE) — Percentage: 97.4%	*2021*
Minerva Sr. Sec. School Ghumarwin	**Himachal Pradesh**
Class X (HPBOSE) — Percentage: 98.6%	*2019*

TECHNICAL SKILLS

Languages: C++, JavaScript, SQL
Backend: Node.js, Express.js, REST APIs, JWT Authentication, Middleware, MVC Architecture
Frontend: React.js,GSAP, Tailwind CSS
Databases: MongoDB, MySQL
Tools: Git/GitHub, Postman, VS Code, Chrome DevTools
Core CS: Data Structures & Algorithms, OOPS, DBMS, Operating Systems

PROJECTS

Subscription Tracker — Secure Backend System ⚫ ↗
Node.js, Express.js, MongoDB, JWT, Arcjet, REST APIs
- Built a backend system to manage user subscriptions with secure JWT-based authentication and protected routes.
- Implemented Mongoose schema validations and pre-save hooks to auto-calculate renewal dates and subscription status.
- Integrated Arcjet for rate limiting and bot protection to safeguard APIs from abuse and unauthorized access.
- Designed REST APIs to create, update, and fetch user-specific subscriptions with strict authorization checks.
- Handled edge cases including expired subscriptions, invalid dates, and user access control.

Personal Portfolio — macOS-inspired Interactive Web App ⚫ ↗
React.js, GSAP, Tailwind CSS
- Built an interactive macOS-style portfolio with draggable windows, animations, and state-managed UI components.
- Implemented window lifecycle management, z-index handling, and smooth GSAP-based transitions.
- Focused on component modularity, clean architecture, and performance-conscious animations.

FoodReel — Reel-based Content Platform for Food Partners ⚫ ↗
React.js, Node.js, Express.js, MongoDB, JWT, REST APIs
- Designed and implemented a full-stack reel-style content platform with role-based JWT authentication for food partners and viewers.
- Built RESTful APIs for video uploads, pagination, likes, and comments; optimized feed retrieval using MongoDB indexes.
- Integrated Cloudinary for video compression, thumbnail generation, and streaming, reducing initial load time by **30%**.
- Developed modular React components for infinite-scroll feeds, dashboards, and profiles with responsive UI.
- Followed Git feature-branch workflow and documented APIs for testing and integration using Postman.

ACHIEVEMENTS

Solved **450+** DSA problems across LeetCode, Code studio, GeeksforGeeks, and Codeforces.

Node.js, Express, MongoDB More: The Complete Bootcamp – Udemy

The Ultimate React Course 2025: React, Next.js, Redux More – Udemy

POSITIONS OF RESPONSIBILITY

Executive — PIXONOIDS (Core Media Club), NIT Hamirpur   **2023 – Present**
- Core decision-making member responsible for planning and executing media coverage for multiple college events and initiatives.

Member — Karate Club, NIT Hamirpur   **2023 – 2024**
- Active member involved in regular training and club activities, demonstrating discipline, consistency, and teamwork.