Raman Nema

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Portfolio | LinkedIn | GitHub

Education

- **Medicaps University**, Indore | B.Tech. in Computer Science & Engineering | **CGPA:** 9.05/10 — 2022 – 2026
- **Sundar Lal Shrivastava H.S. School**, Sagar | 12th | **Percentage:** 86.8% — 2022
- **St. Thomas Convent School**, Rahatgarh | 10th | **Percentage:** 90.8% — 2020

Skills

- Programming: C++, Python
- Web Development: HTML, CSS (Vanilla, Tailwind, Bootstrap), React.js, Node.js, Express.js, MySQL
- Tools & Platforms: Git, GitHub, Netlify, npm
- Core Competencies: DSA, DBMS, OS, CN, OOP, Agile, Problem Solving

Training

Inhouse Intern and Trainee, Cisco

- Hands-on training in networking fundamentals, routing, switching, VLANs, and security
- Configured Cisco devices and practiced troubleshooting
- Worked on VLANs, routing, device management, and wireless networking
- Developed skills in network troubleshooting and administration

Projects

- **AlgoAnimate** — *June 2025*
  Tech: React.js, JavaScript, Tailwind, Git
  Developed an interactive sorting algorithm visualizer with adjustable speed and array size in React.js. Enhanced user understanding through real-time animations and deployed via Claude.
- **PassVault Pro** — *Mar 2025*
  Tech: React.js, Node.js, Express.js, Tailwind, GitHub
  Built a secure password manager with authentication, password generation, strength meter, CRUD operations, card info management, and search functionality. Ensured responsive, secure design and deployed via Netlify.
- **Portfolio Website** — *Aug 2024*
  Tech: React.js, Vite, Node.js, Tailwind
  Designed and deployed a fully responsive portfolio site with light/dark mode, reusable components, and optimized performance. Applied React best practices, ensured cross-device compatibility, and deployed via Netlify.
- **Rhythm Kit** — *March 2024*
  Tech: HTML, CSS, JavaScript
  Developed an interactive drum-kit website that can be played either by clicking on the instruments or pressing the corresponding keyboard keys.

Certifications

- **Front End Development – Coursera**
  Skills: HTML, CSS, JS | Built responsive web pages.
- **Python – HackerRank**
  Skills: Python | Problem-solving and fundamentals.
- **Full Stack Web Development – Udemy**
  Skills: React, Node, MySQL, GitHub | Hands-on projects.
- **Data Structures & Algorithms – CodeChef**
  Skills: C++, DSA | Implemented core DS & algorithms.

Achievements

- **Solved 100+ DSA Problems**
  Platforms: LeetCode, HackerRank, CodeStudio | Improved problem-solving efficiency.
- **Earned Certifications**
  Full Stack Web Development & Data Structures & Algorithms.
- **Open-Source Contributions**
  Maintainer of PassVault Pro & AlgoAnimate.
- **LeetCode Contributor**
  Shared optimized C++ sorting solutions with explanations.