RAMAN NEMA
B.Tech. - Computer Science & Engineering
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BRIEF SUMMARY

Motivated Computer Science student passionate about data structures & algorithms and full-stack development. Experienced in building secure, responsive web applications using modern technologies, with a strong drive to learn, solve problems, and follow best practices.

KEY EXPERTISE

Programming: C++

Web Development: HTML, CSS (Vanilla, TailwindCSS, Bootstrap), React.js, Node.js, Express.js Databases: MySQL, MongoDB

Databases: MySQL, MongoDB   Tools & Platforms: Git, GitHub, Netlify, npm

Core Competencies: DSA, DBMS, OS, Computer Networks, OOP, Agile Development, Software Development, Problem Solving

EDUCATION

Medicaps University   2022 - 2026
B.Tech. - Computer Science & Engineering | CGPA: **9.05 / 10**

SUNDAR LAL SHRIV ASTA V A H.S.SCHOOL, Sagar   2022
12th | MPBSE | Percentage: **86.80 / 100**

ST THOMAS CON SCH VIDISHA ROAD SAGAR, Rahatgarh   2020
10th | CBSE | Percentage: **90.80 / 100**

INTERNSHIPS

Cisco | Technology   01 Jun, 2025 - 15 Jul, 2025
Inhouse Intern and Trainee
Key Skills:

Switching & VLANs   Routing Concepts   Network Security   Network Device Management   Wireless Networking (Basics)

Network Troubleshooting   Networking Fundamentals

Cisco Networking Training
Completed hands-on training in networking fundamentals, routing, switching, VLANs, and network security. Gained experience with Cisco device configuration and basic troubleshooting.

PROJECTS

AlgoAnimate   15 Jul, 2025 - 01 Aug, 2025

Key Skills: React.js, JavaScript (ES6+), Data Structures & Algorithms, Tailwind CSS, CSS3, React Hooks, Git, GitHub

Project Link: https://lnkd.in/dywxju4U

Developed an interactive sorting algorithm visualizer with adjustable speed and array size using React.js. Enhanced user understanding through real-time animations. Deployed via Claude.

PassVault Pro   01 Mar, 2025 - 31 Mar, 2025
Team Size: 2

Key Skills: ReactJS   Node.js   Express.js   TailwindCSS   Git   Github

PassVault Pro – Secure Password Manager Web App | React.js, Node.js, Tailwind CSS, GitHub, Netlify
Developed a secure password manager with authentication, password generation, strength meter, CRUD operations, card info management, search, and toast notifications. Ensured responsive, secure design and deployed via Netlify with GitHub version control.

Personal Portfolio Website   01 Aug, 2024 - 31 Aug, 2024
Team Size: 1

Key Skills: React.js   Node.js   TailwindCSS   Github

Project Link: https://lnkd.in/dXtRykK9

Responsive React Portfolio Website | React.js, Vite, Node.js, GitHub, Netlify
Built 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 with GitHub version control.
Deployed via Netlify.

ACHIEVEMENTS

- Solved 100+ Data Structures & Algorithms problems on platforms like LeetCode, HackerRank, and CodeStudio, improving problem-solving and coding efficiency.
- Earned multiple certifications in Full Stack Web Development and Data Structures & Algorithms.
- Actively maintain personal open-source repositories like PassVault Pro and AlgoAnimate for learning and community use.
- Contributed to the LeetCode community by adding optimized C++ solutions for sorting algorithms and providing detailed explanations in the discussion section.

ASSESSMENTS / CERTIFICATIONS

Front End Development Certification

Key Skills: Front-End Web Development   HTML   CSS   CSS Flexbox   Bootstrap   Javascript

Completed a foundational course covering web development using HTML, CSS, and JavaScript. Gained practical skills in building responsive web pages, styling with CSS, and adding interactivity using JavaScript.

Python Certification

Key Skills: Python

Earned HackerRank certification by demonstrating proficiency in Python fundamentals, including data types, control structures, functions, and problem-solving using standard libraries.

Full Stack Web Development Certification

Key Skills: HTML   CSS   Javascript   Bootstrap   ReactJS   NodeJS   MySQL   Github

Completed a hands-on course covering frontend and backend development using HTML, CSS, JavaScript, Bootstrap, ReactJS, NodeJS, and MySQL. Learned to build responsive web interfaces, and manage projects using GitHub for version control.

Data Structure And Algorithms Certification

Key Skills:

Data Structures   Algorithms   String   Array   Linked List   Stack   Queue   Recursion   Tree   HashMap   Vectors   Searching   Sorting   C++

Completed an in-depth course focused on implementing and optimizing core data structures and algorithms using C++. Gained strong problem-solving skills with hands-on experience in arrays, linked lists, stacks, queues, trees, recursion, sorting, and searching techniques.