

Karan Rai

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SKILLS

- **Languages:** C, C++, Java, JavaScript, HTML, CSS, Python
- **Frameworks:** React JS, Angular, Bootstrap, Node JS, Express JS
- **Tools/Platforms:** VS Code, Git, GitHub, MySQL, MongoDB, PostgreSQL
- **Soft Skills:** Problem-Solving, Self-Learning, Adaptability, Project Management

TRAINING

- **CipherSchools** Jun 2024 - Jul 2024
MERN Stack Developer
 - **About:** Completed comprehensive training in MERN Stack Development, covering MongoDB, Express.js, React.js, and Node.js.
 - Developed full-stack projects like a Notes App using CRUD operations, user authentication, and REST APIs.
Tech stacks used: MongoDB, Express.js, React.js, Node.js, and Github.

PROJECTS

- **N-Queens Visualiser** Jan-Apr 2024
Developed an interactive N-Queens Problem Visualizer using HTML, CSS and Java Script, showcasing efficient algorithms to solve and visualize the placement of N queens on an NxN chessboard without conflicts. Implemented an intuitive user interface allowing step-by-step simulation and real-time visualization of various solutions, enhancing problem-solving understanding and algorithmic efficiency.
Tech: HTML,CSS,JS
- **Hospital Management System** Aug - Dec 2024
Enhanced data security with role-based access control for administrators, doctors, and patients. Developed a Hospital Management for efficient patient and doctor records. Integrated features like patient registration, appointment scheduling, medical records management, and billing.
Tech: HTML+CSS, Java script, and PHP
- **Notes Application** Jun - Jul 2024
Developed a Notes Application using the MERN stack with features like note creation, editing. Implemented user authentication, real-time updates, and local storage for seamless user experience. Optimized backend with Node.js and MongoDB to ensure fast and secure data handling.
Tech: MongoDB, ExpressJS, NodeJS, Postman, and ReactJS

CERTIFICATES

- Cloud Computing by NPTEL Jul – Oct 2024
- Full Stack Development using MERN Stack by CipherSchools Jun – Jul 2024
- Decode DSA with JAVA by PW Skills Feb – Apr 2024
- Bits and Bytes by Coursera Jan – Apr 2024

ACHIEVEMENTS

- **Achieved Problem Solver – Silver Badge:** Feb 2024
 - For solving 300+ question on Leetcode
- **Earned Python, and C++ Badges:** Feb 2023
 - For Solving 100+ question on HackerRank

EDUCATION

- **Lovely Professional University** Punjab, India
Bachelor of Technology - Computer Science and Engineering; CGPA: 8.85 Since August 2022
- **Sant Atulanand Convent School** Varanasi, UP
Intermediate; Percentage: 90.6% April 2020 - March 2022
- **St. John's School** Varanasi, UP
Secondary; Percentage: 93.5% April 2019 - March 2020