

Harshit Raj

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SKILLS

- **Languages:** C++, JavaScript, C, Java
- **Frameworks:** HTML and CSS, React
- **Tools/Platforms:** MySQL, MongoDB
- **Soft Skills:** Problem-Solving Skills, Team Player, Project Management, Adaptability

SUMMER TRAINING

Full Stack Development Using Mern:

June 2024

- **About:** Completed a course on Full-Stack Development using the MERN (MongoDB, Express.js, React.js, Node.js) stack, gaining hands-on experience in building dynamic web applications. Developed skills in front-end and back-end development, RESTful APIs, authentication, and database management.

PROJECTS

- **N-Queen Visualizer:** December 2023
Developed an interactive N-Queens Problem Visualizer using HTML, CSS, and JavaScript, showcasing efficient algorithms to solve and visualize the placement of N queens on an N x N 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. Optimized the visualizer for different board sizes and provided users with options to customize the simulation speed, offering a dynamic learning experience for various difficulty levels.

Tech: HTML, CSS, JavaScript

- **Sudoku Solver:** December 2024
Created a Sudoku Solver using HTML, CSS and Java Script implementing backtracking algorithms to solve any NxN Sudoku puzzle. Designed a user friendly interface for real-time puzzle input and solution visualization, providing both automatic and step-by-step solving options. Integrated input validation to ensure only valid Sudoku puzzles are accepted, preventing errors and enhancing the robustness of the solver. Added functionality to highlight errors in user input, providing immediate feedback and improving the overall user experience during puzzle solving

Tech: HTML,CSS, JavaScript

CERTIFICATES

Udemy, HTML, CSS, and JavaScript - Course for Beginners	2023
Coursera, The Bits and Bytes of Computer Networking	2023
Coursera, Dynamic Programming	2023
Coursera , Greedy Algorithms	2024
Forge , Accenture North America - Data Analytics and Visualization Job Simulation	2024
Coursera, Mastering Data Structures and Algorithms using C and C++	2024
LinkedIn, ChatGPT Prompts	2024

ACHIEVEMENTS

- **Active Question Solver in Leetcode:**
Solved more than 200+ questions in coding platform.
- **One among Dean's top 10 % students at University:**
For good academic performance and extra-curricular activities at University.
- **Secured 2nd rank in Sports Tournament at School:**
Participated and ranked 2nd in the Sports Tournament occurred in the school collecting 2 golds, 2 silvers and 1 bronze.

EDUCATION

• Lovely Professional University <i>Bachelor of Technology - Computer Science and Engineering; CGPA: 7.26</i>	Punjab, India Since June 2024
• Narayana School Andar <i>Intermediate; Percentage: 70%</i>	Andal, Durgapur April 2020 - March 2022
• S.K.S Public School <i>Matriculation; Percentage: 75%</i>	Raniganj, Asansol March 2020