Rajan Patel

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Summary Training

Dsa Self Paced   **June 2024 - July 2024**

GFG.

- Completed DSA Self-Paced training on GeeksforGeeks under expert guidance.
- Gained proficiency in Data Structures and Algorithms, including arrays, linked lists, trees, and graphs.
- Solved coding problems and implemented algorithms to enhance problem-solving skills.
- Learned algorithm optimization techniques and time complexity analysis.
- Developed a strong foundation for coding interviews and competitive programming.

Projects

N Queen Visualizer| *HTML, CSS, JavaScript*   **July 2023 - Aug 2023**

- Developed an N-Queen Visualizer using HTML, CSS, and JavaScript to demonstrate the backtracking algorithm.
- Implemented step-by-step visualization, allowing users to adjust speed and input the number of queens.
- Enhanced understanding of algorithmic problem-solving through an interactive and educational interface.
- Provided a customizable solution for learning and analyzing the N-Queens problem effectively.

Tic - Tac - Toe | Java, Minmax Algorithm, Backtracking, Console-Based UI   **Aug 2023 - Nov 2023**

- Developed a Tic-Tac-Toe game in Java with an AI opponent using the Minimax algorithm for optimal moves.
- Implemented an interactive console-based interface allowing human vs. computer gameplay.
- Designed an intelligent decision-making system that evaluates board states to ensure competitive gameplay.
- Enhanced problem-solving skills and algorithmic thinking through AI-based game development.

Certificates/Certification

DSA Self PACED In Geeks For Geeks   **July 2024**

W3grads — Certificate Link

Building Web Applications in PHP   **November 2024**

University of Michigan —Certificate Link

Generative AI for Everyone   **March 2024**

DeepLearning.AI —Certificate Link

Server-side JavaScript with Node.js   **March 2024**

NIIT Limited — Certificate Link

Mastering Data Structures & Algorithms using C and C++   **November 2023**

Udemy — Certificate Link

Technical Skills

Languages Java, C++, JavaScript, Python

Front-End Technologies: HTML, CSS, Tailwind CSS, React.js, Bootstrap

Back-End & Databases: Node.js, Express.js, PHP, MySQL, MongoDB, DBMS

Skills: Data Structures & Algorithms (DSA), Operating Systems, Linux, Windows, Git, Postman

Education

Lovely Professional University   **2022 – 2026**

Computer Science and Engineering —CGPA: 5.41   *Jalandhar, Punjab*

Gyanmanjari Vidyapith   **2019 – 2021**

12th with Science — Percentage: 61%   *Bhavnagar, Gujarat*

Ilwadurga VidyaSnakul   **2018 – 2019**

10th with Science —Percentage: 78%   *Sabarkantha, Gujarat*