

AKARSH SINGH

Gorakhpur, Uttar Pradesh

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in [Linkedin](#)

GitHub

Codeforces

Leetcode

EDUCATION

Motilal Nehru National Institute of Technology Allahabad

B.Tech - Electrical Engineering - CPI - 7.56

2021 – 2025

Allahabad, Uttar Pradesh

Academic Global School

Intermediate - Score - 95%

2018 – 2020

Gorakhpur, Uttar Pradesh

COURSEWORK / SKILLS

- DSA
- Operating Systems
- Oops Concepts
- MATLAB
- Software Engineering
- DBMS

PROJECTS

Weather App | [Html](#), [CSS](#), [JavaScript](#), [IDE - VS Code](#)

Jan 2023 - Feb 2023

- Engineered a responsive web application using HTML, CSS, and JavaScript to provide real-time weather information based on user inputs.
- Integrated APIs to fetch weather data based on user location inputs, displaying current conditions and forecasts. Implemented features such as temperature trends, humidity levels, and wind speed indicators.
- Designed and optimized the user interface for a seamless experience, including a clean layout, intuitive navigation, and interactive elements to enhance readability and user engagement.

Password Generator | [Html](#), [CSS](#) and [JavaScript](#)

Nov 2022 - Dec 2022

- Developed a Random Password Generator application, ensuring enhanced security by generating complex and customizable passwords with user-defined parameters such as length, character sets, and inclusion of special characters..
- Integrated real-time password strength validation using JavaScript, offering immediate feedback to users on the strength of generated passwords, thus promoting stronger password habits.
- Designed a responsive and user-friendly interface using HTML, CSS, and JavaScript, ensuring seamless user interaction across different devices for generating secure passwords efficiently.

N Queens Visualizer | [JavaScript](#), [CSS](#), [HTML](#), [Visualisation](#), [chess-queens](#), [DSA](#) **Sept 2022 - Oct 2022**

- Created a visual tool using HTML, CSS, and JavaScript to illustrate the N-Queens problem, showcasing solutions for different sizes of chessboards and demonstrating the use of recursion and backtracking algorithms in real-time.
- Implemented recursive algorithms and backtracking techniques to find and display all possible solutions for the N-Queens problem, with visual representations of board configurations to aid in understanding algorithmic processes and solutions.
- Designed an intuitive user interface with CSS for a clear and responsive layout, incorporating interactive elements that allow users to input different board sizes and visualize the algorithm's execution and solution paths effectively.

TECHNICAL SKILLS

Programming Languages: C++, C, Java, JavaScript, SQL.

Web Technologies/Frameworks: HTML, CSS, React, Javascript, Bootstrap.

Developer Tools: VS Code, Git.

CODING PLATFORMS

- Solved **600+** Problems on **Leetcode**. [↗](#)
- Solved **400+** Problems on platforms like **GeeksforGeeks** and **Coding Ninjas**. [↗](#)
- 3-Star on Codechef with Max Rating **1624**. [↗](#)

ACHIEVEMENTS

- Secured a global rank of **1100** in **Biweekly Contest 125** on **Leetcode**. [↗](#)
- Secured a global rank of **336** in **Codechef's** contest 125 Div 3. [↗](#)
- Maintained a streak of **300** days on **Leetcode**. [↗](#)
- Secured Rank **1st** in drawing competition organised by **Reliance** at district level prize worth Rs1 lacs.

POSITION OF RESPONSIBILITY

- * Member of Green Club, MNNIT Allahabad .