

## Karan Rai

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🐙 [github.com/karanrai-08](https://github.com/karanrai-08)

## Projects

### N-Queen Visualizer | *HTML, CSS, JS*

April 2024 - May 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.
- Github Repository Link: <https://github.com/karanrai-08/n-queen>

### Online Notes App | *MERN STACK*

Feb 2024

- Developed an intuitive notes-taking platform with features for creating, editing, and organizing notes efficiently.
- Enabled user authentication for secure access and personalized note storage.
- Optimized the interface for a seamless experience, supporting responsive design for use across devices.
- Github Repository Link: <https://github.com/karanrai-08/notes-app>

## Certificates

### Physics Wallah

*Decode DSA with Java*

Feb 2023

### Cipher Schools

Full-Stack Development Using Mern Stack

Oct 2022

### Coursera

*The Bits and Bytes of Computer Networking*

Oct 2022

## Skills

**Languages :** C/C++, Java, JavaScript, HTML+CSS, React JS

**Technologies/Frameworks:** Angular, React JS, Node JS, Git, GitHub, Ubuntu

**Skills:** Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering, Prompt Engineering

## Education

### Lovely Professional University Punjab

*Computer Science and Engineering — CGPA: 8.85*

2022 – 2026

*Jalandhar, Punjab*

### St. Johns School

*10th with Science — Percentage: 93.58%*

2019 – 2020

*Varanasi, UP*

### Sant Atulanand School

*12th with Science — Percentage: 90.6%*

2021 – 2022

*Varanasi, UP*