

Ayush Raj

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SKILLS

- **Languages:** C++, Java, JavaScript
- **Frameworks/Technologies:** Node.js, Express.js, Socket.io, HTML & CSS (*familiar*)
- **Tools/Platforms:** MySQL, MongoDB, Postman, Git, GitHub

PROJECTS

Knight's Watch | [Link](#)

Mar-April 2025

- Developed a real-time multiplayer chess game with **room creation**, **spectator mode**, and **real-time chat** using **Socket.io**.
- Implemented chess logic with **Chess.js**, ensuring accurate legal moves, check, and checkmate detection.
- Built backend in **JavaScript (Express)** and frontend with **EJS, HTML, CSS**, enabling seamless player and spectator interactions.
- **Tech Stack:** JavaScript, Express, Socket.io, EJS, CSS, Chess.js

Scatch | [Link](#)

Mar-April 2025

- Developed a bag-selling website with **login** and **registration** functionality, enabling users to browse and purchase bags.
- Emphasized the backend, utilizing **MongoDB** for user authentication, product management, and **add to cart** functionality.
- Implemented seamless communication between frontend and backend, ensuring smooth data storage and retrieval for a dynamic user experience.
- **Tech Stack:** MongoDB, JavaScript, HTML, CSS

CERTIFICATES

- Data Structures and Algorithms | **Coding Spoon** Jun - July 2024
- Data Structures and Algorithms | **Code Help** Jan - July 2023
- Probability and statistics | **NPTEL** Aug – Nov 2023

ACHIEVEMENTS

- **Secured Global Rank 3727** [Leetcode](#)
Among **31k+** participants in Leetcode Biweekly Contest 120
Achieved highest streak of 155+ days
- **Secured Global Rank 1925** [Codechef](#)
Among **30k+** participants in CodeChef starters 180

EDUCATION

- **Lovely Professional University** Punjab, India
Bachelor of Technology - Computer Science and Engineering; **CGPA: 7** 2022 – 2026
- **Holy Rock School** Burdwan, West Bengal
Intermediate; **Percentage: 90%** 2020 – 2022

EXTRACURRICULAR ACHIEVEMENTS

- Awarded **Gold Medal** in Powerlifting at the **State Championship**.
- Secured **1st Place** in Discus Throw at the State Level Athletics Meet.