

RAHUL ARORA

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Education

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|---|------------------------------------|
| Manipal University Jaipur, Jaipur <i>B.Tech in Computer Science & Engineering</i> | 2021 – 2025 8.00/10 CGPA |
| Gurukul Global School, Chandigarh <i>Class XII</i> | 2021 80.8% |
| Bhavan Vidyalaya Panchkula, Panchkula <i>Class X</i> | 2019 89.6% |

Projects

Ethereum Supply Chain Management Jan 2024 – May 2024

- Developed a decentralized supply chain management system using **Next.js**, providing a transparent and immutable record of shipment statuses for users
- Implemented smart contracts with **Solidity** and deployed them using **Hardhat**, ensuring secure and automated handling of supply chain data on the Ethereum blockchain
- Utilized **Tailwind CSS** for a responsive and user-friendly interface, enhancing the overall user experience

Real-time Multiplayer Game - typetowin May 2023 – June 2023

- Developed a real-time multiplayer typing game, utilizing **React (Vite)**, **JavaScript**, and **Tailwind CSS** for the frontend, providing an engaging and competitive experience for users
- Implemented **Node.js** and **Express** for the server-side logic, enabling efficient handling of game sessions and player interactions
- Utilized **MongoDB** as the database solution for storing user profiles, game statistics, and leaderboard data, ensuring seamless data management and retrieval
- Incorporated **Socket.io** for real-time bidirectional communication between players, enabling instant updates and synchronization during gameplay

Library Management System Oct 2022 – Dec 2022

- Developed a Library Management System using **PHP**, **HTML**, **Tailwind**, **JavaScript**, and **MySQL** technologies
- Created a secure authentication system for admin and users to ensure data privacy and access control
- Implemented features for adding, updating, and deleting books from the library database, including categorization and author information
- Developed functionalities for renting books from the library, including checking availability and reserving books on the client side

Technical Skills

Languages: Java, JavaScript

Development: HTML, CSS, React, Next.js, Tailwind CSS

Databases: MongoDB, MySQL

Developer Tools: VS Code, Git, GitHub

Positions of Responsibility and Certifications

- Completed the **NPTEL** certification examination in **Design and Analysis of Algorithms**
- Led and coordinated a vibrant community of **800+ students** as part of the **IEEE Student Branch**
- Achieved **4th place** in **MUJ HackX**, competing against **600+ participants**