

# SIMARJEET SINGH MEHRA

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in [Linkedin](#)

GitHub

## Education

### Delhi Technological University

*Bachelor of Technology in Electrical Engineering*

August 2021 - June 2025

*New Delhi, India*

### C.R Oasis Sr. Convent School

*CBSE Class XII (Percentage 85.8%)*

March 2018 - May 2020

*New Delhi, India*

### Scottish Public School

*CBSE Class X (Percentage 94.4%)*

March 2006 - March 2018

*Bihar, India*

## Experience

### OctaNet Services Pvt Ltd.

Feb 2024 – April 2024

*Software Development Engineer Intern*

*(Virtual)*

- Developed a user registration form with backend integration, enabling seamless data entry and storage in the company's database, streamlining the registration process for users.
- Coded the front-end interface of the portal to effectively showcase comprehensive information retrieved from the database
- Enhanced user engagement by **30%** through the implementation of a responsive UI/UX design, ensuring seamless accessibility across various devices and platforms
- Demonstrated expertise in **React.js Node.js** and **Databases**

## Projects

### RentHub | *NodeJs, MongoDB, React Js* | [Link](#) | [Github](#)

- Developed responsive **MERN** stack app for apartment rentals with **JWT** authentication and integrated **bcrypt.js** for password hashing
- Search functionality enables users to browse matching results for apartment listings in a paginated manner, with detailed information accessible upon selection.
- Optimized apartment rental management with an responsive UI/UX design crafted using **Tailwind CSS**.

### Medium-Blog | *Cloudflare, PostgreSQL, ReactJS and Hono* | [Github](#)

- Utilized **Cloudflare Worker** for serverless backend deployment, ensuring scalability and global performance optimization
- Implemented **ReactJS** and **Tailwind CSS** for a visually appealing and responsive frontend user interface.
- Implemented **JWT** authentication to ensure robust access control and safeguard user data within the application.
- Integrated **Editor.js** for intuitive and customizable blog post creation, enriching the user experience.

### PayPro | *NodeJS, MongoDB, ReactJS and Express* | [Github](#)

- Enables users to securely transfer money between accounts and manage their finances effortlessly
- Utilized **MongoDB transaction model** to enforce constraints, preventing users from sending money to multiple recipients simultaneously, ensuring transaction integrity and accountability.
- Implemented **JWT** authentication to ensure secure user login and protect sensitive financial data.
- Employed **Tailwind CSS** to create a responsive UI, enhancing user experience across various devices.

### SumzAI | *React Js, Tailwind CSS, OpenAI API* | [Link](#) | [Github](#)

- An article summarizing tool powered by **OpenAI API** via Rapid API.
- Streamlining the process of distilling lengthy articles into concise summaries.
- Enhanced user experience with a sleek UI/UX design crafted using React.js and Tailwind CSS, ensuring intuitive navigation and readability.

## Technical Skills

**Languages:** JavaScript, TypeScript, C++, Python

**Frameworks:** React.js, Node.js, Express.js, Tailwind CSS

**Database:** MongoDB, PostgreSQL

## Achievements

- Ranked in the **top 3%** in JEE Mains Examination.
- Web Development Mentor at **Round Table** mentored almost **50** students.
- Achieved **State Rank 1** in UNICEF NSTSE (National Level Science Talent Search Examination)
- Mentored students as a part of Desh ke Mentor campaign
- Successfully solved over 150+ quesitons across various platforms.