

Tridib Chatterjee

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Technical Skills

Languages: JavaScript, TypeScript, Python, SQL, C, C++, Java

Front-end: React.JS, Next.JS, CSS

Back-end: NodeJS, ExpressJS

API: RESTful API

Database: MongoDB, MySQL

Developer Tools: Git, GitHub

Other Libraries: Redux, Tanstack Query

Experience

Technical Member as Web Developer, HackClub VIT Chennai

September 2023 - Present

A Student led initiative fostering an inclusive environment for tech enthusiasts.

- Developed a **user-friendly, responsive website** for Hack Club, enhancing the club's online presence and accessibility.
- Utilized modern web development technologies and best practices to ensure a seamless user experience across various devices

Technical Member as Web Developer, CloudOps VIT Chennai

January 2024 - Present

A cloud-based community for aspiring tech professionals to collaborate on real-world projects.

- Built a **blog application** for the CloudOps website, enhancing content delivery and user interaction.
- Implemented an **AI-powered recommendation** system to personalize content and improve user engagement.

Projects

GuardianEYE (Solve-a-thon) | Flutter, ExpressJS, MongoDB, TensorFlow, Firebase, ESP-32

[LINK](#)

- Developed an innovative **IoT smart lock** utilizing advanced **facial recognition** technology to ensure seamless and secure access for authorized individuals.
- Implemented enhanced security measures, including **intruder alerts** with instant notifications to registered **mobile devices**, enhancing overall security and response time.
- Enabled **remote management** of the locking mechanism, allowing users to control access from any location within the campus, providing flexibility and peace of mind.

OfficeFlow | ReactJS, MongoDB, ExpressJS, Tanstack-Query, CSS, Axios

[LINK](#)

- Developed an intuitive platform to streamline workflow by integrating **Note-taking, Task assignment**, and tracking, enhancing organizational efficiency.
- Facilitated seamless **communication** among **employees, managers**, and **admins** with robust security features, empowering teams to work smarter and boost productivity.

Stone-Paper-Scissor Game | HTML, Vanilla CSS, JAVASCRIPT, Axios

[LINK](#)

- Developed an interactive Rock, Paper, Scissors game allowing **users** to play against the **computer**, enhancing **user engagement** through dynamic gameplay.
- Implemented an **auto-play** feature to enable **continuous** gameplay without user input.

Education

Vellore Institute of Technology

Chennai, India

Pursuing B.Tech Degree, Computer Science Engineering (CSE)

2022 - 2026