

# SARTHAK ROY

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## OBJECTIVE

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A highly motivated and results-driven web developer with strong experience in front-end and back-end technologies including HTML, CSS, Tailwind CSS, Node.js and MongoDB. Passionate about building responsive, user-friendly websites and applications, and eager to contribute to a dynamic development team. Seeking an opportunity to leverage my technical skills to create innovative solutions and deliver seamless user experiences.

## PROJECTS

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- **Portfolio Webpage** : A personal portfolio website that I designed and developed, utilizing core HTML, CSS, Tailwind, and JavaScript. The website incorporates fundamental JavaScript functionalities and well-crafted animations to enhance user engagement and experience.
- **Real Time Location Tracking** : Developed a real-time location tracking system using Node.js and Socket.io, enabling users to share and view live location updates on an interactive map. This system accurately detects and displays the user's exact location in real time.  
**Node.js**: Acts as the backend server, handling incoming location data from users and efficiently managing real-time communication.  
**Socket.io**: Establishes a WebSocket connection between the client and server, allowing instant bidirectional data transfer. Whenever a user moves, their updated coordinates are transmitted to the server, which then broadcasts the new location to all connected clients, updating the map dynamically.

## SKILLS

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**Front-End**: HTML, CSS, Tailwind CSS, JavaScript || **Back-End**: Node.js, Express.js || **Database**: MongoDB, Mongoose || **Version Control**: Git, GitHub

## EDUCATION

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### **B.Tech in Information Technology (2022 - 2026, Pursuing)**

Bengal College of Engineering and Technology, Durgapur

### **Higher Secondary Education (12th) - Science (PCMB) (2021)**

West Bengal Council of Higher Secondary Education

### **Secondary Education (10th) (2019)**

West Bengal Board of Secondary Education

## EXTRA-CURRICULAR ACTIVITIES

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- Founded a small business in 2021, demonstrating leadership, problem-solving, and business management skills.
- Passionate cricket player, enhancing teamwork, strategic thinking, and perseverance.
- Avid book reader, continuously improving knowledge, critical thinking, and creativity.