

SARTHAK ROY

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OBJECTIVE

Full-stack web developer proficient in building scalable and responsive web applications using modern JavaScript frameworks such as Next.js, Node.js, and MongoDB. Passionate about delivering seamless user experiences, writing clean and maintainable code, and deploying real-world solutions. Seeking a developer role where I can contribute to impactful projects using MERN stack, REST APIs, and cloud platforms like Vercel.

PROJECTS

- **Portfolio Webpage** : A personal portfolio website that I designed and developed, utilizing core HTML, CSS, Tailwind, JavaScript, Node.js, Express.js, Nodemailer and Mongo Atlas. The website incorporates fundamental JavaScript functionalities and well-crafted animations to enhance user engagement and experience. Also hosted on Netlify and Render.
- **Tech Used:** HTML, CSS, Tailwind, JavaScript, Node.js, Express.js, MongoDB [Link](#)
- **Therapist Portfolio Website – Dr. Serena Blake**
Built and deployed a full-stack, mobile-responsive website with dynamic routing, secure form handling, and MongoDB integration. Used React Hooks, API routes, and CI/CD deployment via Vercel with focus on UX, accessibility, and clean architecture.
- **Tech Stack:** Next.js 14, Tailwind CSS, Node.js, MongoDB, TypeScript, Vercel
- **Real Time Location Tracking** : Built a real-time location sharing platform using Node.js and Socket.io, enabling users to view live location updates on an interactive map. Utilized WebSocket connections to stream user coordinates instantly, with the backend efficiently broadcasting updates to all connected clients for seamless, dynamic map rendering.
- **Tech Used:** Node.js, Socket.io, WebSockets, Real-Time Events

SKILLS

Front-End: HTML5, CSS3, JavaScript, Tailwind CSS, Next.js || **Back-End:** Node.js, Express.js, REST APIs || **Database:** MongoDB, Mongoose, PostgreSQL || **Tools:** Git, GitHub, Vercel, Postman, CI/CD, Netlify.

EDUCATION

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

- 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.