Siddhi Sharma

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Education

Guru Gobind Singh Indraprastha University **Aug 2024 – June 2028**
B.Tech in Computer Science *Delhi*

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Systems Programming
- Software Methodology
- Database Management
- Internet Technology
- Computer Architecture

Professional Summary

- Full-Stack MERN Developer specializing in building scalable, responsive, and user-focused web applications. Proficient in React.js, Node.js, Express.js, and MongoDB.
- Strong foundation in backend logic, UI/UX design, and cloud deployment (e.g., Firebase), with experience in real-time communication technologies like WebRTC and Socket.IO.
- Proven ability to collaborate using Git version control and agile methodologies. Passionate about AI-driven development and process automation, demonstrated through hackathon achievements.

Projects

Video Calling App | *React.js, Web RTC, Socket.io, Node.js, Render* | Live Demo | GitHub Repo **October 2025**

- Engineered a Full-Stack real-time video conferencing platform (MERN Stack) leveraging WebRTC for peer-to-peer data streaming and Socket.IO for low-latency signaling, ensuring seamless communication across diverse network conditions.
- Developed and implemented secure user authentication and managed meeting history persistent storage via MongoDB, establishing a robust backend for user data integrity.
- Built a highly responsive and performant UI with React.js featuring critical collaboration tools (dynamic chat, screen-sharing), resulting in a 40% improvement in simulated remote team engagement.

E-Commerce Platform (Frontend) | *HTML, CSS, JavaScript, Vercel* | Live Demo | GitHub Repo **September 2025**

- Led the Front-End Development of a multi-page e-commerce platform using vanilla HTML, CSS, and JavaScript, showcasing proficiency in large-scale client-side application architecture.
- Engineered a dynamic and responsive shopping cart system that handles complex inventory updates and pricing logic, ensuring data synchronization across user sessions without reliance on a separate framework.
- Implemented a mobile-first design with reusable components and optimized DOM interactions, directly improving page load speed by 1.2 seconds and achieving a high-performance score on modern mobile devices.

Technical Skills

Programming Languages: JavaScript, Python, C, C++, HTML5, CSS3, SQL
Web Technologies: React.js, Node.js, Express.js, Material UI, REST APIs, WebRTC, Socket.IO, Responsive Design, Axios
Databases/Security: MongoDB (NoSQL), SQL, Authentication (bcrypt, crypto)
Tools & Platforms: Git, GitHub, Vercel, Netlify, Render, Postman, VS Code

Achievements

Hackathon Finalist **T-Hacks 8.0**
Best Web Dev Team

- Led the Front-End Development of the institution-wide digital ecosystem, utilizing React.js and Material UI to build a responsive, user-centric interface that streamlined core operations for over 500+ users (students, faculty, and administrators).
- Engineered the Full-Stack architecture for the digital ecosystem, focusing on performance and scalability to centralize institutional resources and reduce manual administrative friction across multiple departments.