

Shivam Surroach

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CAREER OBJECTIVE

Passionate about building scalable, user-centric products that blend cutting-edge technologies. Seeking a challenging role where I can contribute to intelligent software solutions, collaborate on complex systems, and continuously grow in the domains of AI-powered applications, web technologies and product innovation.

EDUCATION

Maharaja Surajmal Institute of Technology New Delhi, India <i>B.Tech, Computer Science and Engineering</i> CGPA : 8.17	Nov 2022 - Jun 2026
RamaKrishna Sr. Sec. School New Delhi, India <i>Senior Secondary Certification(CBSE)</i> Percentage:91.8%	Apr 2020 - Jun 2021

PROJECTS

AITuT https://github.com/Chibom11/AITuT.git	Jan 2025 - Present
<ul style="list-style-type: none">Engineered a full-stack AI Tutor application using Next.js for a dynamic frontend and FastAPI for a high-performance Python backend, creating a seamless user experience from interface to AI logic.Developed an AI agent using LangGraph that goes beyond simple Q&A. The agent can invoke tools, manage conversational memory, and conditionally generate dynamic content like quizzes or perform external searches, demonstrating complex AI workflow orchestration.Leveraged Convex as a Backend-as-a-Service (BaaS) to manage all database operations, including real-time chat history and user data.Integrated Clerk directly with the Convex backend for seamless, end-to-end authentication. This architecture enabled protected server functions and user-specific, real-time database queries with built-in data validation and security rules	
The Wild Oasis https://github.com/Chibom11/WILD-OASIS.git	Dec 2024 - Feb 2025
<ul style="list-style-type: none">Built a secure full-stack Cabin/Hotel Booking platform with JWT-based authentication, cookie sessions, and refresh tokens for persistent login sessions.Crafted the frontend using React and Tailwind CSS, featuring real-time form validation and toast-based UI feedback for smooth user interaction.Structured a scalable system with distinct Admin and User dashboards, multi-route API integration, and Razorpay for reliable online payments.	
Vapor https://github.com/Chibom11/Vapor.git	Feb 2025 - Feb 2025
<ul style="list-style-type: none">Implemented real-time messaging with room-based isolation using native WebSockets for fast and private communication.Enabled users to create or join private chat rooms via unique room IDs, with localStorage-powered message history for session persistence.Designed a retro-themed UI with custom fonts for an engaging user experience.	

SKILLS

- Programming Languages & Technologies:** JavaScript, C++, Python, SQL, HTML/CSS, React.js, Next.js, Node.js, Express.js, TailwindCSS
- Dev Tools & Frameworks:** Git, GitHub, VS Code, Blender
- Databases & Systems:** MongoDB, MySQL, Vector Databases
- AI & Machine Learning:** Generative AI Development, LLMs Experience
- Relevant Coursework:** DBMS, Object-Oriented Programming (OOP), Operating Systems, Data Structures & Algorithms
- Soft Skills:** Problem-Solving, Adaptability, Time Management, Collaboration, Communication