Aman Singh

+91 9650123620 ✉ amansingh17730@gmail.com Linkedin Github

Projects

Real-Time Communication Development with WebRTC   Jan 2025 - Apr 2025

- Developed and integrated real-time audio/video communication features using WebRTC, enabling seamless peer-to-peer connectivity and low-latency streaming.
- Designed and implemented secure signaling workflows and configured STUN/TURN servers for efficient session management and reliable NAT traversal.
- Optimized cross-browser compatibility and performance to ensure consistent real-time communication across diverse platforms.

E-Commerce Website   Jan 2025 - Feb 2025

- Designed and developed a fully functional e-commerce website with user-friendly UI, product listings, cart management, and secure checkout.
- Implemented features like user authentication, order tracking, and dynamic product filtering for enhanced user experience.
- Integrated payment gateway and optimized performance for responsive, cross-device compatibility.

Interactive Tic-Tac-Toe Game Using JavaScript   Aug 2024 - Sep 2024

- Built a browser-based Tic-Tac-Toe game with clean UI and interactive gameplay using HTML,CSS, and JavaScripts.
- Implemented game logic to handle player turns, win/draw conditions, and game resets dynamically.
- Enhanced user experience with responsive design and smooth DOM manipulation for real-time updates.

Certifications

- DSA Self-Paced Course – GeeksforGeeks   Aug 2024

- C++ Programming Course – Geeksforgeeks   Apr 2025

Technical Skills

Languages: C/C++, Javascript, Python, HTML, CSS
Frameworks: React.js, Tailwind, Node, Express
Databases: MongoDB
Skills: Data Structures & Algorithms, OOPs, Database Management System, Computer Networks, Operating System, SQL.

Achievements

- Demonstrated strong problem-solving skills by consistently applying advanced data structures and algorithms to solve diverse challenges on LeetCode. **Profile Link**
- Actively engaged in Coding Ninjas platform through problem-solving, MCQs, and concept-based assessments to strengthen core programming and computer science fundamentals. **Profile Link**
- Strengthened algorithmic thinking and coding proficiency by regularly solving competitive programming problems across key topics like DP, graphs, and trees on GFG. **Profile Link**

Education

Lovely Professional University, Jalandhar   Since Aug 2022
Bachelor of Technology in Computer Science and Engineering   Phagwara, Punjab
Kendriya Vidyalaya, Halwara   April 2019 - April 2022
Intermediate   Ludhiana, Punjab
Air Force School, Halwara   March 2019
Matriculation   Ludhiana, Punjab