Karunanidhi Sharma

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EDUCATION

Indian Institute of Information Technology Una   Una, Himachal Pradesh
B.Tech in Electronics and Communication Engineering; CGPA: 7.0   *2024 – 2028*

PROJECTS

Transaction Safety Wallet (Ethereum) | *React, Ethers.js, Tenderly API*   Jan 2026 – Present
- Building a security layer to prevent "blind signing" scams by decoding raw hex data into human-readable warnings.
- Integrated Tenderly Simulation API to provide pre-transaction state-change previews, significantly reducing user asset risk.
- Developing a risk engine to flag high-risk functions and verify contract legitimacy via on-chain data.

ChatConnect App | *MERN Stack, Socket.io, WebSockets*   Aug 2025 – Dec 2025
- Developed a real-time messaging platform connecting users instantly using WebSockets and Socket.io.
- Implemented secure user authentication and managed real-time data flow using the MERN stack (MongoDB, Express, React, Node.js).
- Optimized low-latency communication channels ensuring reliable message delivery across different devices.

Portfolio Website | *MERN Stack, React*   Jan 2025 – May 2025
- Designed and developed a personal portfolio website utilizing the MERN stack to showcase projects and skills.
- Created a dynamic backend to easily manage and update project listings without code alterations.
- Ensured a fully responsive design and high-performance loading speeds for an optimal user experience.

SKILLS AND CERTIFICATIONS

Languages: C++, Python, JavaScript, C, Verilog, HTML
Technologies/Frameworks: MERN Stack (MongoDB, Express, React, Node.js), WebSockets, Git/GitHub, VS Code
Concepts: Data Structures & Algorithms, Object-Oriented Programming, Full Stack Development

ACHIEVEMENTS AND CODING PROFILES

AlgoUniversity Tech Fellowship (ATF) 2025: Successfully cleared Stage 1, ranking in the top 8% nationwide out of 250,000 participants.

DSA Proficiency: Solved 100+ problems on various platforms like LeetCode, CodeStudio, and GeeksforGeeks.

Academic Performance: Maintaining a consistent 7.0 CGPA within the curriculum at IIIT Una.