

Sneha Kumawat

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EDUCATION

- Vellore Institute of Technology** October 2022 – May 2026
B.Tech in Computer Science and Engineering CGPA: 8.17
- The Himalaya Academy** June 2021 – May 2022
Higher Secondary School 82%
- Central India Academy** July 2019 – May 2020
Secondary School 82.8%



TECHNICAL SKILLS

- Languages:** C, C++, JavaScript
- Web Technologies:** React.js, Express.js, Tailwind CSS, RESTful APIs, WebSockets (Socket.io)
- Databases & Cloud:** MongoDB, MySQL, AWS (EC2, S3, Lambda), Load Balancing
- Developer Tools & Concepts:** Git, GitHub, VS Code, Operating System, Networking

EXPERIENCE

- Stellar8 Labs** November 2024 – February 2025
Web Developer Intern Indore, India
Project: [silaaagroup.com](https://www.silaagroup.com)
 - Built responsive React.js components for Silaa Group’s production website, implementing reusable UI patterns that reduced code duplication by 30% and accelerated feature development.
 - Integrated RESTful API endpoints with frontend interfaces, handling authentication flows and data synchronization while ensuring proper error handling and loading states.
 - Optimized database operations across MySQL/MongoDB, designing efficient schemas and query patterns that improved data retrieval speeds for high-traffic pages.
 - Maintained version control workflows using Git with branching strategies, conducted code reviews, and adhered to team coding standards to ensure deployable, production-ready code.

PROJECTS

- LSB Image Steganography** Github 
 - Engineered a C-based steganography implementing LSB encoding to embed and extract confidential text within BMP image files while preserving visual integrity and data accuracy.
 - Optimized bit-manipulation algorithms and low-level file I/O operations to achieve lossless data encoding with 100% decoding accuracy across various image sizes.
 - Designed modular architecture with separate encoding/decoding modules, implementing robust error handling for edge cases including file corruption and invalid data formats.
- GenAI Full Stack Interview Assistant** Github 
 - Delivered AceBOT, an AI voice interview assistant with React.js, Vapi SDK for real-time speech, Firebase Authentication, and MongoDB, enabling personalized mock interviews across 6 technical domains.
 - Developed adaptive questioning logic generating context-aware follow-ups, improving session relevance by 25% based on user feedback.
 - Incorporated an NLP-based feedback engine to analyze user responses, deliver actionable insights, and track performance improvements across interview sessions.

ACHIEVEMENTS

- Smart India Hackathon Qualifier:** Selected from 250+ teams for an innovative tech solution proposal.
- IIT Roorkee Productathon (2nd Place):** Built a stock trading simulator in React.js; recognized for innovative UI/UX.
- University Hackathon (Top 5 Rank):** Led a team of 4 to the finals, placing in the top 5 out of 200 teams in an 8-hour coding competition.

LEADERSHIP & EXTRACURRICULAR

- Operations Lead, Entrepreneurship Cell:**
 - Led operations for 10+ startup events and workshops, increasing participation by 45% and forging partnerships with 5+ venture firms.
 - Coordinated cross-functional teams for logistics, outreach, and resource planning across multiple flagship events.