


# HARSHITA KUMAWAT

BTech CSE'26 Student (Cyber Security Specialization)


 Portfolio

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## EDUCATION

2026	<b>B.TECH - CSE (Cyber Security Specialization)</b> JK Lakshmipat University   Jaipur   7.2 CGPA
2021	<b>SENIOR SECONDARY (XII)</b> K.M.D. Public School   RBSE Board   85 %
2019	<b>SECONDARY (X)</b> K.M.D. Public School   RBSE Board   85 %

## TECHNICAL SKILLS

<b>Programming</b>	C, Python, Java, React, Tailwind CSS, MySQL
<b>Tools</b>	Git, Github, Latex, NMap, Wireshark
<b>Concepts</b>	DSA, OOP, Statistical Analysis, Prompt Engineering
<b>Soft Skills</b>	Communication, Team Management, Coordination, Problem Solving

## EXPERIENCE

May 2024 July 2024	<b>Website Development Intern   SEMS Welfare Foundation</b> Worked on designing and developing a WordPress-based website of <b>"FEMLEADS"</b> using XAMPP, and various plugins to enhance functionality. Focused on UI/UX design, improving responsiveness, and optimizing performance for different user needs.	<b>WordPress</b>
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## PROJECTS

2025	<b>Neural Cryptography System with Adversarial Training &amp; CNN</b> Built adversarial neural networks (Alice/Bob vs. Eve) in TensorFlow that learned secure encryption/decryption through gradient optimization, demonstrating ML-based cryptography.	<b>Cryptography, CNN</b>
2025	<b>Comparative Analysis and Sustainable Solutions for E-Waste Management in Emerging and Developed Economic Countries (Ongoing Research Paper)</b> Conducted a comparative analysis of e-waste management practices in emerging and developed economies, identifying key challenges and proposing sustainable, scalable solutions for improved environmental and public health outcomes.	<b>Python, Statistics</b>
2025	<b>Enhanced Malware Detection using AI (Ongoing Research Paper)</b> Developed an AI-powered malware detection system. Analyzed network packets for malware patterns and built predictive models.	<b>Python, Wireshark, Docker, and SEED Lab</b>
2025	<b>Spardha - College Sports Fest Website</b> Collaborated with a team to develop the official Spardha website. Integrated APIs for improved functionality and developed a registration system with email authentication and Excel-based data management for efficient participant tracking. The project was deployed on Vercel and hosted on the college's official domain.	<b>HTML, CSS, JS</b>
2024	<b>Secure Chat System</b> Developed Chat-It, a secure real-time chat app with end-to-end AES encryption, Firebase authentication, and real-time synchronization. Designed a user-friendly Android interface with OTP-based login, group chats, and media sharing, ensuring data security and scalability.	<b>Android Studio, Socket Programming, React JS, Encryption, Chat.io</b>

## EXTRA-CURRICULAR

March 2023 & 2024	<b>Hackathon</b> • Participated in HackJKLU3.0 & HackJKLU4.0 HTML / CSS / JS	<b>Event</b>
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## CERTIFICATES AND ACHIEVEMENTS

December 2022	<b>Python Data Structures</b> Covered core concepts like lists, dictionaries, tuples, and nested data. Gained hands-on experience in writing efficient, real-world Python code for data manipulation and storage.
January 2023	<b>Statistics for Data Science with Python</b> Gained practical experience applying statistical methods using Python libraries like NumPy, Pandas, and SciPy for real-world data analysis.