

# Kshitij Kumar Saini

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## Technical Skills:

Java, C++, SQL, HTML, CSS, Networking, Cybersecurity, TCP/IP.

## Certification:

- Blockchain and Its Application, Nptel, April 2024
- AWS cloud practitioner, AWS, January 2024
- Bits and Bytes of Computer Networking, Coursera, December 2022
- Cyber Thread Management, Cisco, May 2024

## EDUCATION

**VELLORE INSTITUTE OF TECHNOLOGY**

**Bhopal, Madhya Pradesh**

**Bachelor of technology CSE Specialization. In Cyber Security and Digital Forensics**

**AUGUST 2021-JUNE 2025**

CGPA: - 9.01

## ACADEMIC PROJECTS

### Three Level Authentication System

**October 2022– January 2023**

- Designed and implemented a comprehensive multi-tier authentication framework that enhanced data protection, reducing Access breaches by 50% and bolstering overall security posture by 30%
- Enhanced security infrastructure by developing multi-layered authentication, including text-based passwords, OTP, and graphical passwords; decreased unauthorized access incidents by 40%.
- Deployed a robust security framework with multifactor authentication, enhancing data protection and reducing security incidents by 40%, safeguarding critical information

### File security through steganography

**JULY 2022 – OCTOBER 2022**

- Developed a state-of-the-art messaging system using cryptographic algorithms and steganography; achieved a 50% reduction in data breaches and improved user trust and engagement by 20%.
- Implemented QR code technology for encrypted message storage and secure transmission; increased data security by 50% and reduced Unauthorized entry by 35%.
- Pioneered the use of QR code-based decryption for recipient messages, significantly enhancing end-to-end security and decreasing Unauthorized entry occurrences by 40%.

## PROFESSIONAL EXPERIENCE

### MERN Full Stack Internship Program:

**AUGUST 2023 — NOVEMBER 2023**

#### Ethuns

**Online**

- Collaborated closely with four other developers as part of a vital project aimed at facilitating smoother processes for adopting pets, ensuring all functionalities aligned seamlessly based on thorough usability testing insights gathered.
- Constructed a high-performance web app utilizing the MERN stack, cutting page load time by 40% and enhancing user retention by 20% within the first quarter post-launch.
- Used Agile methodologies to coordinate cross-functional teams, reducing project delivery time by 25% and increasing team productivity by 15%.
- Architected a comprehensive pet adoption website with the MERN stack, facilitating seamless user experience for browsing and adopting pets, managing profiles, and secure authentication; resulted a 50% increase in user engagement

## EXTRA-CURRICULARS AND ACHIEVEMENTS

### Achievements: -

- Member, Team Sudden4, Cyber Heist (March 2024) – Won First Place.
- Ranked 4th place out of over 200 competitors in the highly competitive BASix event quiz by tackling complex technical scenarios, demonstrating a solid grasp of Salesforce concepts and effective problem resolution strategies.

### Extracurricular: -

- Mastered rocketry fundamentals at the 2021 SEDS Nebula workshop, applying concepts to improve engineering project outcomes by 15%.

## ADDITIONAL INFORMATION

**Hobbies:** - Playing Games, staying informed, Playing word games

**Languages:** - English, Hindi