

# Sana Yasmine

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## SUMMARY

Aspiring Software Developer and Cybersecurity Enthusiast with solid academic background from VIT Bhopal University, specializing in Blockchain, Ethical Hacking, and AI/ML technologies. Experienced in penetration testing tools and blockchain-based application development. Passionate about hands-on security research and accessible AI projects.

## WORK EXPERIENCE

Space Tech Intern, India Space LabDec 2024 - Jan 2025 Conducted research and developed innovative solutions in the space technology domain, gaining hands-on experience in data analysis and technology integration.

## PROJECTS

### Blockchain-Based Institutional Data Verification

Developed a secure blockchain platform to store and verify institutional data using smart contracts and cryptographic security. Led a 5-member team, achieving 30% efficiency improvements. Technologies used: Node.js, React.js, Solidity, Web3, MongoDB.

### MEC Steganography using Python

Implemented a tool to hide data within images and audio files using quantization and run-length encoding, with secure retrieval mechanisms.

### Web Application Penetration Testing (DVWA, XVWA)

Performed penetration testing exploiting SQL Injection, XSS, CSRF, and authentication flaws using Burp Suite and Kali Linux. Documented vulnerabilities and remediation strategies.

### AI/ML Based Morse Code Detection (Upcoming)

Planning development of a web app that detects Morse code from eye blink patterns leveraging computer vision and machine learning for accessibility.

## EDUCATION

2022 - Present	B.Tech Computer Science, Minor in Cyber Security and Digital Forensics, <b>VIT Bhopal University</b> , CGPA: 8.95/10
2019 - 2021	12th Standard, State Board Telangana, 95%
2017 - 2019	10th Standard, State Board Telangana, CGPA: 10/10

## SKILLS

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Programming	Python, C++, Java, JavaScript
Web Technologies	HTML, CSS, Bootstrap, SQL
Blockchain & Security Tools	Solidity, Web3, Metamask, Keccak Algorithm
Platforms & Tools	Kali Linux, XAMPP, Git, VS Code, Node.js, Express.js, React.js, MongoDB, AWS
Penetration Testing	Burp Suite, Plaso, ARPwatch, OpenVAS, IDA Pro, DVWA, XVWA
AI/ML Tools	Python, TensorFlow, Keras, OpenCV, Flask, Django

## CERTIFICATIONS

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- Certified Ethical Hacker (CEH) – EC-Council (May 2025 – Jun 2026)
- Agile Methodologies – IBM Career Education Program (Apr 2025)
- DevOps, Agile & Design Thinking – IBM Career Education Program (Apr 2025)
- Programming with JavaScript – Meta, Coursera (Dec 2022)
- Foundations of Cyber Physical Systems – IIT Kharagpur

## EXTRACURRICULAR ACTIVITIES

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- Telugu Club Member (Feb 2023 – Present): Increased event attendance by 20% through targeted promotions and active participation.
- AI Conclave '24 – Decor Volunteer: Supported event decor and coordination.

## LANGUAGES

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Hindi (Fluent), English (Fluent), Telugu (Fluent)