

# Sana Yasmine

Bhopal, Madhya Pradesh, India

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## Professional Summary

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Motivated software developer and cybersecurity enthusiast with practical experience in penetration testing, blockchain application development, and AI/ML. Skilled in security analysis, programming, and cloud technologies. Strong academic record with a passion for problem-solving and innovation.

## Skills

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

## Education

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**VIT Bhopal University**, Bhopal, India

B.Tech in Computer Science, Minor in Cyber Security and Digital Forensics, *Expected May 2026* CGPA: 8.95/10

**Synapse Junior College**, Telangana, India

12th Standard, State Board

Percentage: 95%

**Abhyas Techno School**, Telangana, India

10th Standard, State Board

CGPA: 10/10

## Projects

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### Blockchain-Based Institutional Data Verification

Developed a blockchain platform for secure institutional data storage and verification using smart contracts; led a 5-member team with 30% efficiency improvements and 60% fraud risk reduction. Technologies: Solidity, Web3, Node.js, React.js, MongoDB.

### MEC Steganography using Python

Built a tool to hide and extract data from images and audio files using quantization and run-length encoding techniques.

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

Conducted penetration testing using Kali Linux and Burp Suite; found vulnerabilities including SQL Injection, XSS, CSRF, and authentication flaws; documented remediation strategies.

### Upcoming: Eye Blink Morse Code Detection (AI/ML)

Designing a web application using computer vision & machine learning to detect Morse code via eye blink patterns for accessible communication.

## Experience

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**India Space Lab**  
Space Tech Intern

Dec 2024 – Jan 2025

- Conducted research and development on innovative space technology solutions.
- Assisted in analyzing and applying space-borne data for technological advancement.

## 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, Dec 2022
- Foundations of Cyber Physical Systems – IIT Kharagpur

## Extracurricular Activities

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- Telugu Club Member (Feb 2023 – Present): Organized promotions increasing event attendance by 20%.
- AI Conclave '24 – Decor Volunteer: Assisted with event decor and logistics.

## Achievements

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Maintained a CGPA of 8.95.  
Earned 15+ Google Cloud Skill Badges in API Gateway, Eventarc, TensorFlow, Generative AI, Kubernetes, and more.

## Languages

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