

# Shree Charan N

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## Professional Summary

Computer Science undergraduate at **VIT Bhopal University** with strong interests in secure software systems, problem-solving, and applied computing. Experienced in designing and building practical technical solutions through academic projects and collaborative initiatives. Demonstrated leadership through organizing technical events, coordinating student teams, and conducting knowledge-sharing sessions. Recognized for clear communication, public speaking, and the ability to explain complex technical ideas effectively while working in dynamic team environments.

## Education

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|--|---------------------|
| <b>VIT Bhopal University</b>   | Aug 2023 – May 2027 |
| B.Tech in Computer Science Engineering (Cyber Security & Digital Forensics) CGPA: 8.5 / 10 |                     |
| <b>Narayana E-Techno School, Bengaluru</b>   | 2023                |
| Higher Secondary (12th): 76.4%   |                     |
| <b>Narayana E-Techno School, Bengaluru</b>   | 2021                |
| Secondary (10th): 86.8%  |                     |

## Technical Skills

**Programming:** Python, Java, C++, SQL, JavaScript  
**Cybersecurity:** AES-256, RSA Encryption, PBKDF2, Steganography, DRM Security Systems  
**Tools & Platforms:** Git, Linux, Azure, Jupyter Notebook, Android Studio, OpenCV, Scapy  
**Domains:** Cryptography, Network Security, Digital Forensics, Machine Learning

## Experience

|   |                      |
|---|----------------------|
| <b>Hindustan Aeronautics Limited (HAL)</b>  | May 2025 – June 2025 |
| Cybersecurity Intern – Helicopter Division, Bengaluru   |                      |
| <ul style="list-style-type: none"><li>Developed a <b>Digital Rights Management (DRM) encryption system</b> using AES-256 and RSA to secure sensitive defense documents.</li><li>Implemented secure access mechanisms including <b>device authentication, watermarking, password protection, and expiry-based file access.</b></li><li>Designed a protected document viewer to ensure controlled access to encrypted digital assets.</li></ul> |                      |
| <b>Madhya Pradesh Police</b>  | Aug 2024 – Present   |
| Cybersecurity Intern  |                      |
| <ul style="list-style-type: none"><li>Conducted cybersecurity awareness sessions covering <b>phishing prevention, digital privacy, and cyber fraud protection.</b></li><li>Assisted in educational initiatives promoting safe internet practices and cybercrime awareness.</li></ul>  |                      |

## Projects

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|--|
| <b>SecureImage: Hybrid AES-256-CBC and LSB Steganography Framework</b>   |
| <ul style="list-style-type: none"><li>Developed a secure communication system combining <b>AES-256 encryption with LSB steganography</b> for confidential data transmission via images.</li><li>Implemented <b>PBKDF2 key strengthening</b> to enhance cryptographic security.</li><li>Built a Python-based <b>Tkinter GUI application</b> enabling secure embedding and extraction of encrypted payloads.</li></ul> |
| <b>DRM-Based Secure File Encryption System</b>   |
| <ul style="list-style-type: none"><li>Architected a secure file management system integrating <b>hybrid AES/RSA encryption.</b></li><li>Implemented <b>watermarking, device authentication, and expiration-based access control.</b></li><li>GitHub: DRM Encryptor and Viewer</li></ul>  |

## Leadership & Activities

**General Secretary**, Android Club – VIT Bhopal  
Organized workshops and technical sessions on Android development.  
**Lead PR & Outreach**, Fusion Club – VIT Bhopal  
Led outreach and promotional campaigns for campus technical events.

## Certifications

|   |   |
|---|---|
| Fundamentals of AI & ML — Vityarthi               | Java Programming — GeeksforGeeks              |
| Advanced SQL for Technical Interviews — Bosscoder | Full Stack Developer Bootcamp — GeeksforGeeks |
| Industrial IoT Markets and Security — Coursera    |   |