

Manav Acharya

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Information Security Analyst Intern

Third-year Computer Science student specializing in web application security with a growing focus on network security. Skilled in identifying vulnerabilities, secure coding, and encryption, with hands-on experience from projects like a file encryption tool and a network vulnerability scanner. Passionate about building secure systems and exploring emerging security technologies.

EDUCATION

Vellore Institute of Technology, Bhopal

Bachelor of Technology in Computer Science and Engineering

2022-Current

Current CGPA: 8.58/10

KD Ambani RF School

CBSE (Class 12th)

CBSE (Class 10th)

2010 - 2022

Percentage: 79.6/100

Percentage: 92.8/100

ACADEMIC CERTIFICATIONS

Google Cybersecurity - Ongoing

Coursera

Bits and Bytes of Computer Networking – December 2023

Coursera

Cloud Computing – March 2024

NPTEL

PROJECTS

Secure File Encryption and Decryption Tool

- Developed a user-friendly application for secure file encryption and decryption to safeguard sensitive information against unauthorized access.
- Implemented advanced cryptographic algorithms, including symmetric (AES, DES) and asymmetric (RSA) encryption techniques, to ensure data confidentiality.

Home Security System using Video Processing | Dr. Hemalaxmi, CSE, VIT Bhopal

- Developed a home security system using Python and OpenCV for advanced face detection and tracking.
- Implemented automatic video recording of detected movements, saving footage for review.
- Implemented facial recognition to identify registered users, ensuring their movements are not recorded..

Detection of Depression Using Machine Learning Models| Dr. Kiran Pandey, CSE, VIT Bhopal

- Developed robust machine learning models for the early detection of depression through the analysis of EEG data by a diversity of algorithms to enhance model accuracy.
- Achieved promising accuracy rates (9.2) through cross-validation techniques, ensuring the models' performance and generalizability for practical applications.

SKILLS

Languages: C/C++, Python, Javascript, MySQL, HTML, L^AT_EX

Security Concepts: Web Application Security, Network Protocols, Computer Networking, Web Network Security, Operating Systems

Tools: N-map, Burp Suite Pro, Vulnerability Scanners, Wireshark, Metasploit, VS Studio

EXTRA-CURRICULARS

DSW Core Team

- Master of Ceremony for both the college's annual fests and hosting over 6000+ students.
- Organized 30+ events in the last 6 months that took part under the Student Welfares' Office.
- Managed the annual fest's events, involving 500+ participants and an audience of 12000+ students.

Music Club Core Member

- Managed the annual fest's stage, involving over 300+ musicians, and audience of approximately 12000+ students.
- Anchored several performances in college events

