

Kunal Goyal

Indore, MP | kunalgoyal020304@gmail.com | 79743 21328 |

linkedin.com/in/kunal-goyal-2004mar | github.com/Kunalgoyal02

Education

Class X : GD Goenka Public School : 92 %	April 2019 – March 2020
Class XII : Mount Litera Zee School : 86.6 %	April 2021 – May 2022
VIT Bhopal University , B.Tech in CSE (Spl.in Cyber Security and Digital Forensics)	September 2022 – Present
• <i>CGPA: 8.08</i>	

Technical Skills

Java Programming, HTML, CSS, MY SQL Database, AWS Cloud Computing, Wireshark, NMAP, Bash, TCP/IP, DNS, Firewall, VPN's, Windows, MS Defender, Ethical Hacking, Threat Hunting.

Experience

Cyber Security Analyst Intern , The Red Users	April 2025 – May 2025
• <i>Captured and analyzed network traffic using Wireshark to identify suspicious activity and understand protocols like TCP, UDP, and HTTP.</i>	
Cyber Security Intern , Encoderspro	June 2025 – July 2025
• <i>Learned bug bounty hunting, vulnerability assessment, and CTF challenges as a Cybersecurity Intern.</i>	

Projects

Advanced Port Scannner Tool: (Python, Socket Programming, Threading, Nmap, Network Reconnaissance, Vulnerability Assessment).

- *Developed a multithreaded Python-based port scanner for high-speed network reconnaissance and vulnerability identification.*
- *Socket programming, Nmap, and Threading. Banner grabbing and vulnerability mapping for detailed network profiling.*

Man-in-the-Middle (MITM) Attack Simulation Project (Ettercap, Wireshark, Arpspoof, Kali Linux, Network Analysis, Cyber Attack Simulation)

- *Simulated a Man-in-the-Middle(MITM) attack in a controlled lab environment to analyze risks in unsecured public Wi-Fi networks & Highlighted the importance of HTTPS, VPNs, and encryption as countermeasures to protect users from MITM threats.*
- *Employed tools such as Ettercap, Wireshark, and Arpspoof to intercept and inspect unencrypted HTTP traffic and extract sensitive data.*

Intrusion Detection System: (Python, Scikit-learn, Pandas, Matplotlib, NSL-KDD, CIC-IDS-2017, Cyber Threat Detection)

- *Utilized benchmark datasets NSL-KDD and CIC-IDS-2017 for model training and testing using Python.*
- *Built a real-time visualization dashboard to simulate SOC monitoring for anomaly detection.*
- *Improved detection accuracy and reduced false positives through data preprocessing, feature selection, and algorithm tuning.*

Certifications

Certified Ethical Hacker(CEH) by EC Council, AWS Cloud Practitioner by AWS(CLF-C02), Cyber Security Analyst by IBM, Devops Agile and Design thinking by IBM.