SIDDHARTH CHAUDHARY

ETHICALHACKER|PENETRATIONTESTER | OFFENSIVESECURITY | VAPT

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SUMMARY

Cybersecurity professional with practical exposure of penetration testing, vulnerability assessment , ethical Hacking , and network security. Completed AI/ML training at Samsung Innovation Campus and exploring AI- driven security solutions. Strong foundation in network exploitation, web application security, and adversary simulation, with practical experience in tools like Metasploit, Burp Suite, Nmap, and Splunk. Ranked in the Top 15% on TryHackMe.

PROFESSIONAL EXPERIENCE

1)Cybersecurity Intern–SOPRASTERIA **June 2025 - September 2025**

- Built an ML-based phishing URL detection model using a feature-extraction pipeline that extracts 20 domain/link features and predicts whether a URL is phishing or legitimate.
- Designed preprocessing and prediction workflow for URL analysis, model inference and classification output suitable for security analytics use cases.
- Performed vulnerability assessment and security analysis using Splunk, Nessus and Nmap.

2)Solutions Engineer Intern - Bhavi Commtech **Jun 2026**

- Resolved complex workflow, state-management and data-processing defects across CIS Data Agent, CIPS Graph Builder, CFA Learning Platform and NDT Builder.
- Expanded CFA platform with scalable JSON question-bank architecture, ~1,500-2,000 integrated questions
- Implemented multi-file dataset assembly fixes, duplicate-record prevention, metadata synchronization and validation pipelines for engineering survey data.

PROGRAMMING LANGUAGES AND TECHNOLOGIES

- **CYBERSECURITYTOOLS :** Nmap, Wireshark,BurpSuite,Splunk, Metasploit, Nessus ,OWASP ZAP,Nikto, Hydra, SQL--map
- **LANGUAGES :** Java, Python, SQL, Bash, PowerShell, HTML, CSS
- **TECHNOLOGIES** Linux, Networking Fundamentals, Git, Vulnerability Assessment, Cryptography (AES,RSA,Hashing), Machine Learning (AI/ML)
- **Domains:** VAPT, Web Security, Network Exploitation, MITM, Privilege Escalation

PROJECTS

1) AI-Powered-Network-Security-Platform : ML-based intrusion detection system foranomaly and botnet detection. Used flow-based traffic features to identify malicious behavior . **GitHub**

2) RansomReaper : Ransomware detection tool with real-time monitoring, entropy analysis & honeypots;reduced encryption impact by 90% . **GitHub**

3) MITMShield : Real-time ARP spoofing & MITM detection system with auto-blocking and SOC-readylogging. **GitHub**

4) NetPhantom : Ethical hacking toolkit for ARP/DNS/SSL spoofing & credential capture in controlled environments. **GitHub**

5) Password Strength & Breach Checker : CLI tool for password analysis and breach detection using HaveIBeenPwned API. **GitHub**

6) Python Vulnerability Scanner : Lightweight Nmap-based scanner for open ports, insecure services & misconfigs. **GitHub**

CERTIFICATION

1)Ethical Hacker – Cisco Networking Academy (10507a00-48d2-4c2b-96c6-77e97392aad1)
2)Ethical Hacking: Cryptography – LinkedIn
3)Complete Ethical Hacking Bootcamp – Udemy (UC-19adf27a-ec34-4851-a159-70c4c7bdb82a)
4)Advance Networks with CISCO (CCNA) – LearnVern (CAN_16393547526676)
5)Artificial Intelligence – Samsung Innovation Campus (SIC00841)
6)Oracle Cloud Infrastructure Foundations Associate (2025) certification. (103050009OCI25FNDCFA)
7)Operating System Course: Learn Fundamentals of Operating System - Scaler Topics.

EDUCATION

B.Tech – Computer Science (Final Year) June 2022 - June 2026
Gautam Buddha University, Greater Noida – **CGPA: 7.62**

Senior Secondary (12th) & Secondary (10th) June 2019 - June 2021
Bajrang Modern Sr Sec School
12th: 96% | 10th: 91%