Subrat Samantaray

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SUMMARY

Cybersecurity graduate with hands-on Red Team experience in penetration testing, vulnerability assessment, network and web exploitation, with working knowledge of Blue Team practices including threat detection and defensive security.

SKILLS

Technical Skills:

Security Tools: Kali Linux, Nmap, Wireshark, Metasploit, Burp Suite, OWASP ZAP, Nessus, sqlmap, Nikto, Hydra
Technologies: IDS/IPS , SIEM, Firewall, VPN
Practices: VAPT, OWASP Top 10, MITRE ATT&CK, MITRE CWE, Web & Mobile Testing, Risk Management
Standards & Frameworks: NIST, ISO 27001, PCI DSS, HIPAA, GDPR
Networking: TCP/IP, DNS, DHCP, ARP, VLAN, HTTP/HTTPS, Subnetting
Programming & Scripting: Python, Bash
Systems & Virtualization: Linux, Windows, VMware, VirtualBox, Docker, AWS

Soft Skills: Analytical Thinking, Problem Solving, Written Documentation, Collaboration, Communication

EXPERIENCE/INTERNSHIP

Cybersecurity & Networking Intern   June 2025 – Aug 2025
CyberDojo
- Built enterprise networks using BGP, RIP, OSPF & EIGRP to simulate secure routing environments
- Configured NAT, VLANs & Subnetting to improve segmentation and security compliance
- Conducted vulnerability scans & reconnaissance using Nmap and Wireshark, identifying 15+ issues

Ethical Hacking & Cybersecurity Intern   May 2024 – July 2024
Internship Studio
- Conducted web & network VAPT using Nmap, Metasploit & Hydra to uncover critical flaws
- Identified & mitigated 80% of major vulnerabilities improving test environment security
- Documented findings and security recommendations for remediation teams

PROJECTS

Network Vulnerability Scanner
- Built a Python-based vulnerability scanner using Nmap with CVE enrichment to identify exploitable services and attack surfaces

Network Availability & Stress Testing Tool
- Developed a network availability and stress testing tool to evaluate rate-limiting, firewall rules, and service resilience under controlled traffic loads

Wireless Network Security Assessment Toolkit
- Designed a wireless network security assessment toolkit to identify misconfigurations, weak authentication controls, and availability risks in controlled environments

SIEM & IDS/Firewall Lab Implementation
- Implemented Wazuh SIEM with Suricata IDS/IPS and pfSense firewall for centralized log monitoring, threat detection, and automated alerting

EDUCATION

Centurion University of Technology and Management   Bhubaneswar, Odisha
Bachelor of Technology in Computer Science and Engineering, Specialized in Cyber Security   *Oct. 2022 – Present*

CERTIFICATIONS

Certified in Cybersecurity - ISC2
Certified Network Security Practitioner (CNSP) - The SecOps Groups
Jr Penetration Tester – TryHackMe
Introduction to Cybersecurity – Cisco Network Academy