NEHA SINDHU

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EDUCATION

2020 - 2024	B.Tech (CSE) – Cybersecurity	The NorthCap University (ITM), Gurugram	9.3 (**Among top 10 in 24' batch**)
2018 - 2020	12th Non-medical CBSE	SSD School, Madipur	85.5% (**Scholar Student**)

- Awarded **Scholar's Badge** for academic excellence in grades **11 and 12**.
- Ranked among the **top 10 students** in the **Computer Science Engineering** branch of the Bachelor of Technology program 2024 batch.

EXPERIENCE

Consultant - CS	Forvis Mazars in India	Gurugram: Jan 24 - Present

Vulnerability Management Program

End-to-End Vulnerability Assessment	

- Conducted periodic **Vulnerability Scanning and Web Application Penetration Testing (VAPT)** engagements for **7+ clients** across diverse industries, including **energy, financial services, manufacturing, and professional services**, delivering detailed reports and facilitating the closure of security gaps.
- Conducted security assessments on **web applications, networks, and mobile platforms**, identifying and mitigating vulnerabilities.
- Prepared **clear, concise reports** & analyzed and mitigated **zero-day threats** using threat advisories to address emerging security risks.
- Utilized advanced tools such as **Nmap, Burp Suite, Wappalyzer, Shodan, Nikto, Nessus, Qualys Tenable VM and Metasploit** to perform **manual & automated testing** and revalidate vulnerabilities, increasing diagnostic accuracy by 20%.
- Applied strong **analytical and problem-solving skills** to assess threats, simulate attacks, and provide **remediation strategies**.
- Prepared **detailed reports and communicated findings** effectively to technical and non-technical stakeholders & collaborated with **cross-functional teams**.
- Performed **zero-day vulnerabilities scans** for continuously stayed updated on **emerging security threats, trends, and technologies**.

Cybersecurity & Risk Assessments

Risk Evaluations & Compliance Improvement

- Performed 15+ **risk assessments and cybersecurity maturity evaluations**, utilizing frameworks such as **ISO 27001, NIST CSF, COBIT 5, and CIS Controls**, resulting in a 20% improvement in security posture and compliance scores.
- Reviewed and optimized **security policies, controls, VAPT reviews and configurations** for diverse **IT environments**, achieving **100% compliance**.

Vulnerability Remediation & Security Optimization

Security Patch Management & Risk Reduction

- Managed the remediation of **500+ unique vulnerabilities**, achieving an average patch deployment time of 72 hours and **reducing high-risk exposures by 30%.**
- Maintained a **comprehensive patching tracker**, conducting bi-weekly calls with cross-functional teams to track progress and ensure timely patch implementation.
- **Automated updates** for few servers **using Tenable Core**, **executing scripts and commands** to streamline patching processes.

SOC Management & Incident Response

Security Incident Detection, Monitoring & Remediation

- Analyzed and responded to **100+ security incidents** monthly as a **SOC Level 1 analyst**, escalating high-priority cases, and collaborating with L2 & L3 teams for **advanced threat resolution**, while identifying potential threats and initiating timely mitigation actions.
- Fine-tuned various **alert configurations**, **reducing false positives by 15%** and improving detection accuracy.
- Delivered **actionable recommendations for improving security postures**, including **incident prevention strategies and system hardening initiatives**.

Cybersecurity Intern	Forvis Mazars in India	Gurugram: Feb 23 – July 23

Technology, Management & Risk Consulting

- Conducted **ITGC and ITAC audits** for **15+ clients**, ensuring adherence to industry standards and regulatory compliance requirements.
- Developed comprehensive **business proposals**, assisting in **strategic decision-making** and enhancing client engagement.
- **Underwent SOC Level 1 analyst training**, gaining hands-on experience with tools like **LogRhythm, Darktrace, and CrowdStrike**, and assisting in the **monitoring security incidents.**

Info Sec. Intern	Virtually Testing Foundation University, formerly VTF	Remote: Sept 22 – Dec 22

Web Application Security

- Performed **10+ web application penetration testing labs**, including **HTML Injection, Clickjacking, XSS, and SQL Injection**, etc.
- Developed **professional VAPT reports weekly**, highlighting vulnerabilities and **recommending mitigation** strategies.
- Analyzed emerging cyberattack trends and developed expertise in **OSINT Framework**, **Endpoint Security**, **Splunk**, and **MITRE ATT&CK** through focused training courses.

Cyber Trainee	Penetration Testing and Malware Analysis Training at NCU	Remote: Jun 22 – Aug 22

Ethical hacking & Phishing Simulation

- Developed a project to detect DDoS attacks using **Snort IDS/IPS**, improving intrusion detection and prevention.
- Automated and manually created phishing links using tools like **SocialFish, PyPhisher,** etc., for **threat simulation**.
- Experienced with **password-cracking tools** like **John the Ripper & Aircrack** for ethical hacking and vulnerability analysis.

CERTIFICATIONS

- **Certified Ethical Hacker** (CEH) version 12: Issued on May 2024
- **Certified AppSec Practitioner** (CAP) by The SecOps Group: Issued on April 2024

LEADERSHIP & MENTORING POSITIONS

Smart India Hackathon (SIH) Mentor 2024

- **Mentored 21 teams** & conducted **4 mentoring sessions** during the SIH 2024 Grand Finale.
- Provided **feedback to teams** on **two critical cybersecurity problem statements**: **cryptocurrency transactions by criminals** and **domain hosting details**, refining team ideas and enhancing solution outcomes.

Beta MLSA Pgm

Built and fostered a **collaborative community of tech enthusiasts**. Led **12 successful online workshops** since Aug'24 on different technologies, with sessions **attracting 200+ participants**.

PUBLICATIONS

Chapters	A critical analysis of privacy implications surrounding Alexa and Voice assistants	ISBN: 9781032479576
	Evaluation of Security Risks and Countermeasures in Blockchain Generations 1 to 3.	ISBN13: 9798369334942
Book	Exploring the use of machine learning in cybersecurity: can it be a game changer?	ISBN: 9789999316224
Article	Gatividhi Guard: The Activity Guardian—Revolutionizing SIEM Technology	ISSN: 2454-9355
Patent	System for tracing and blocking miscreants in virtual sessions	App No: 202311016813 A

ACHIEVEMENTS

SIH Winner 2022	Awarded **1st Position nationwide** for innovative solutions in a cyber-themed problem statement.	AUG-2022
Snort IDPS Project	Recognized with **2nd Best Internship Project award** for excellence in cybersecurity research.	SEP-2022

DSCI-EY CTF	Secured **25th Position out of 150 teams** in a high-level **national Capture the Flag competition**.	DEC-2022
IIT Jodhpur CTF	Achieved **24th Position among 200 teams** in an online Capture the Flag Competition.	JAN-2023
Regional Conclave	Secured **2nd Position** for an outstanding research paper at Regional Conclave of Student's Chapter.	APR-2024
SIH Mentor 2024	Selected as **one of the top 50 mentors** for Grand Finale 2024 from all registered SIH alumni in India	DEC-2024