

# SNEHIL KUMAR N M

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## Professional Summary

Security Engineer with 2+ years of hands-on experience in penetration testing, digital forensics, and vulnerability management. Certified Ethical Hacker (CEH Master) with deep understanding of OWASP, NIST, and ISO 27001 frameworks. Skilled in identifying, remediating, and reporting critical vulnerabilities across systems and web applications. Adept in using tools like Burp Suite, Nessus, Wireshark, Metasploit, and Docker. Familiar with DLP, IAM, VPNs, and WAFs through practical labs and internships. Proven success in incident response, phishing mitigation, and cybersecurity awareness initiatives.

## Skills

### Cybersecurity Expertise:

- Penetration Testing, Web Security, Vulnerability Assessment, Digital Forensics
- Incident Response, Phishing Detection and Mitigation, Risk Management, Cybersecurity Training
- Familiarity with Security Standards: OWASP, NIST, ISO 27001, PCI-DSS

### Programming and Development:

- Programming Languages: Python, Bash, PHP
- Web Development: HTML, CSS, JavaScript, PHP, MySQL, MongoDB
- Tools: Nessus, Wazuh, Metasploit, Wireshark, Burp Suite, Nmap
- Docker: Containerization, Docker Compose, Image Creation, Deployment

### Server and Systems Administration:

- Server Setup: Configuring and managing Linux servers, Apache, SSH, and FTP

## Education

### Bachelor of Computer Applications (BCA)

Amity University Online  
CGPA: 9.02

June 2022 - July 2025

### Higher Secondary School, Commerce

Sri Venkateswara Matric Higher Secondary School  
Percentage: 72.67%

2018 - 2020

### Secondary School

Sri Venkateswara Matric Higher Secondary School  
Percentage: 67%

2017 - 2018

## Professional Experience

### Penetration Tester, Self-employed

Jan 2023 – Present

- Conducted thorough penetration testing on multiple web applications, identifying and reporting critical security vulnerabilities.
- Implemented effective remediation strategies that reduced vulnerabilities by 40%.
- Collaborated with development teams to enhance security protocols and improve overall system resilience.
- Used OWASP Top 10 and CVSS to prioritize and report vulnerabilities.

### Digital Forensics Team Member, Self-employed

May 2024 – Present

- Performed digital forensics investigations, recovering and analyzing electronic evidence to support legal cases.

- Utilized Autopsy for evidence recovery; simulated investigations in compliance with NIST and ISO 27001 frameworks.

#### **Freelance Web Developer, Self-employed**

**Jan 2024 – Present**

- Developed secure and responsive websites; implemented input validation and access control measures.
- Engineered front-end and back-end solutions using HTML, CSS, JavaScript, PHP, MySQL, and MongoDB.

#### **Tutor, Learnifite**

**Feb 2022 – Jan 2024**

- Delivered cybersecurity workshops on ethical hacking, phishing, malware analysis, and secure coding.
- Mentored 100+ students in CTF-style training modules and tools like Nmap, Burp Suite, Wireshark.

#### **Cybersecurity Intern, Skill Vertex**

**Mar 2022 – May 2022**

- Conducted security assessments and simulated attacks on client networks.
- Hands-on exposure to endpoint protection, and vulnerability scanners.

## **Projects**

### **CTF Labs**

- Built a cybersecurity training lab with vulnerable machines to teach hands-on exploitation and defense.
- **Technologies used:** HTML, CSS, JavaScript, PHP, MySQL, MongoDB, OpenVPN, Docker.

**ARPGuard** – [github.com/thesnehilkumar/arpguard](https://github.com/thesnehilkumar/arpguard)

- Created an ARP spoofing detection and alert tool for LAN environments.
- **Technologies used:** C, libpcap, Ethernet/ARP protocols.

**Personal Portfolio Website** – [snehilkumar.selfmade.one](https://snehilkumar.selfmade.one)

- Responsive personal portfolio showcasing cybersecurity projects and tools.
- **Technologies used:** HTML, CSS, JavaScript.

**Fashion Designer Portfolio Website** – [nehdiasana.selfmade.one](https://nehdiasana.selfmade.one)

- Developed and deployed a secure and visually rich design portfolio.
- **Technologies used:** HTML, CSS, Bootstrap, JavaScript.

**Maths Teacher Resource Site** – [artofmaths.in](https://artofmaths.in)

- Created a static resource-sharing site with a focus on performance and usability.
- **Technologies used:** HTML, CSS, Bootstrap, JavaScript.

## **Certifications**

- Certified Ethical Hacker (CEH Master) – EC-Council
- YUKTI CTF Certification – Tamil Nadu Police
- Internship Certificate in Cybersecurity – SkillVertex
- Ultimate Ethical Hacking and Penetration Testing – Udemy
- Codered – EC-Council

## **Achievements**

- Recognized in NASA's Hall of Fame for identifying a critical cybersecurity vulnerability.
- Reported two critical account takeover vulnerabilities at Amity University (LoR pending).
- Acknowledged by NCIIPC for responsible disclosure in an Indian government portal.
- Discovered and disclosed a path traversal vulnerability in a Brazilian government website.
- Ranked 1st in EC-Council Leaderboard with 87% score (CEH Exam).
- 4th Place Winner in Yukti CTF hosted by Tamil Nadu Police.