

SANAL LINCE

Penetration Tester

☎ +917356614630 | ✉ sanal.lince007@gmail.com |  Sanal Lince |  @sanal-lince

Cybersecurity professional with 3+ years of hands-on experience in Penetration testing, Vulnerability Assessments, and IT auditing. Passionate about identifying security threats, strengthening system security, and ensuring compliance with industry standards.

EXPERIENCE:

Ernst & Young (EY) | May 2025 – Present

Penetration Tester | Associate Consultant

- Conduct black-box and grey-box Web Application Penetration Testing in accordance with OWASP Top 10 and other industry standards.
- Perform Network Penetration Testing (internal/external) to assess network security controls and uncover exploitable weaknesses.
- Execute manual and automated testing techniques using tools such as Burp Suite, Nmap, Nessus, Nikto, and custom scripts.
- Simulate advanced threat actor behavior to assess resilience against real-world attacks.
- Document findings with detailed Proof of Concepts (PoCs), severity ratings, and technical remediation guidance.
- Collaborate with development and infrastructure teams to explain vulnerabilities and provide support during remediation.
- Maintain up-to-date knowledge of threat landscapes, CVEs, exploits, and security tools.
- Deliver clear and comprehensive reports to both technical stakeholders and C-level clients.

Manappuram Finance Ltd, Thrissur | November 2023 – May 2025

Penetration Tester | Deputy Manager

- Conducted regular security assessments to ensure compliance with industry standards and regulations.
- Refined penetration testing methodologies to address evolving threats, enhancing effectiveness.
- Analyzed and improved security policies, recommending updates based on value and utility.
- Identified and mitigated Active Directory (AD) misconfigurations, reducing privilege escalation risks.
- Assessed emerging threats, risks, and vulnerabilities, advising stakeholders on mitigation strategies.
- Demonstrated expertise in identifying and resolving web, network, and system vulnerabilities.

Ehackify Cyber Security Research and Trainings | May 2022 – April 2023

Cyber Security Researcher and Trainer | Assistant Manager

- Delivered cybersecurity certification training to students and professionals.
- Designed and maintained Capture the Flag (CTF) challenges for VAPT and IoT tools.
- Researched emerging cybersecurity threats, presenting findings at industry conferences.
- Developed hands-on expertise with IoT device security and vulnerability testing.
- Created and implemented security awareness programs for organizations and students.
- Collaborated with teams to conduct comprehensive security studies and generate insights.
- Performed vulnerability assessments and penetration testing for third-party clients.

KEY SKILLS:

- Penetration Testing and Vulnerability Assessment (Web and Network)
- Social Engineering (Phishing and Google Dorking)
- Red Team Strategy and Operations
- Bug Bounty Hunting
- Linux and Windows Administration
- Active Directory Security and Hardening
- Threat Analysis and Incident Response
- MITRE ATT&CK Framework Implementation
- Security Control Implementation

CERTIFICATIONS:

- Certified Red Team professional (CRTP) – Pentester Academy
- Official ISC2 CC Certification – ISC2
- Certified Ethical Hacking Essentials (EHE) – EC Council
- ISO 27001:2022 ISM – Securium Academy

TOOLS:

Burp Suite, OWASP ZAP, SQLMap (Web Security)
Nessus, Nmap, Nuclei (Network Scanning)
Metasploit, PowerShell (Exploitation)
Frida, Objection, MobSF, Genymotion, Jadx (Mobile Security)
Wireshark (Packet Analysis)
OSINT Frameworks, BXSS Hunter, XXS Strike (Reconnaissance)

EDUCATION:

- **Bachelor of Science Cyber Forensics** | Mahatma Gandhi University | 2018 – 2021
- **Biology Sciences** | ST. Philomenas Higher Secondary School | 2018

PROJECTS:

Remote Administration Tool (RAT)

Developed and analyzed RAT malware that allows unauthorized remote access to compromised systems

Studied attack vectors and mitigation techniques to prevent unauthorized access

Exfiltrating Data from Air-Gapped Systems

Researched and demonstrated covert techniques to extract data from isolated systems

Explored methods such as electromagnetic emissions and optical data transfer

COMMUNITY INVOLVEMENT:

Cyber Dom

Educated individuals on cyber security risks and social media threats

Provided technical assistance to Kerala Police on private cyber crime cases

Defcon Cochin (DC910484)

Conducted workshops on cyber security threats and hacking methodologies

LANGUAGE:

English: Read, Write, Speak

Malayalam: Native Speaker