SANAL LINCE

📞 +917356614630 | ✉ sanal.lince007@gmail.com | 💼 Sanal Lince | Ⓜ @sanal-lince

Cybersecurity professional with 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:

Ethical Hacker | Deputy Manager
Manappuram Finance Ltd, Thrissur | November 2023 – Present

Executing VAPT audits at Manappuram Finance Limited, examining digital platforms and detecting potential security vulnerabilities.

- Conducted Vulnerability Assessment and Penetration Testing (VAPT) for web and mobile applications (Android & iOS).
- Implemented IAM security controls to prevent unauthorized access to financial systems and sensitive data.
- Conducted security assessments on authentication mechanisms, including Multi-Factor Authentication (MFA) and Single Sign-On (SSO).
- Evaluated and improved access control policies using Role-Based Access Control (RBAC) and least privilege principles.
- Identified misconfigurations in Active Directory (AD), reducing privilege escalation and unauthorized access risks.
- Used tools like Burp Suite Pro, OWASP ZAP, Nessus, Nmap, Frida, and Wireshark.
- Experienced in identifying and addressing all types of security vulnerabilities.
- Cryptography: Encryption and Decryption Techniques

Cyber Security Researcher and Trainer

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

- Conducted Cybersecurity Certification Training for Students and Professionals
- Designed and Maintained Capture the Flag (CTF) Challenges for VAPT and Network Security Training
- Researched emerging cyber security threats and shared findings at industry conferences to raise awareness and share best practices
- Stayed up to date with the latest security information and Hands on experience in IOT devices
- Researched current information technology security trends to improve security measures
- Developed and Implemented Security Awareness Programs for Organizations and Students
- Completed Vulnerability Assessment and Penetration Testing for Third party clients
- Supported CyberDom (Kerala Government Private investigator) for prevent cyber-crimes

KEY SKILLS:

- Penetration Testing: Web Application, Mobile Application, Wireless Security (Network), Active Directory Security
- Cryptography & Security Controls: Encryption and Decryption Techniques
- Others: Bug Bounty, TryHackMe, HacktheBox
- OWASP Top 10 & MITRE ATT&CK Framework
- Linux & Bash Scripting
- Google Dorking

CERTIFICATIONS:

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

TOOLS:

- Burp Suite, Nessus, Nmap, Metasploit, Frida, Objection
- Wireshark, ADB Tools, MobSF, Genymotion, SQL Map, Nuclei, Jadx
- OWASP ZAP, Frida, OSINT Frameworks, BXSS Hunter, PowerShell, Fuzzing

EDUCATION:

Bachelor of Cyber Forensics (B.Sc.) | Mahatma Gandhi University |2018 – 2021

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