SHRIHARI SENTHILKUMAR

shrihari.s0@protonmail.com | (+91) 94860 35961 | linkedin.com/in/shrihari-s01

Versatile Engineering graduate with proficiency in diverse projects, including drones and ornithopters.
Passionate about cybersecurity, specializing in penetration testing and OSINT.

EDUCATION:

Sri Ramakrishna Engineering College   Aug'16 - Mar'20
Bachelor of Engineering: **Electronics and Communication**   **CGPA 7.93**
Lisieux Matriculation Higher Secondary School
HSC & SSLC   1018/1200 (**84.83%**) & 473/500 (**94.60%**)

LANGUAGES & SKILLS:

C, C++, Python, Bash, Kali Linux, Metasploit, Burp Suite, OSINT Framework

CERTIFICATIONS:

- *Practical Career Ready Professional -* **PCRP**   January 2024
- *Practical Network Penetration Tester -* **PNPT**   October 2023
- *eLearnSecurity Junior Penetration Tester -* **eJPTv2**   July 2023

PROJECTS:

Designing and Evaluating an Active Directory Lab Setup

- Designed and implemented a functional **Active Directory lab**, demonstrating proficiency in domain controller setup, user machine configuration, and policy implementation.

- Executed simulated cyberattacks, including **LLMNR Poisoning, SMB Relay Attacks, IPv6 Attacks,** and **Passback Attacks,** demonstrating practical expertise in attack vector analysis and mitigation.

- Conducted an in-depth analysis and developed mitigation strategies for various attack vectors, showcasing a robust understanding of cybersecurity defences.

Detecting Hardcoded Credentials in SMB

- Formulated a **bash** script that utilizes **nmap** to assess open SMB ports, attempts connection using **smbclient**, and conducts searches for potential hardcoded credentials.

Bulk WhatsApp Messenger & Web Scraper

- Authored a **python** script that uses **PyWhatKit** library to send multiple messages to a list of recipients.

- Created a bot to scrape the prices of a specific product from all websites to find the lowest price.

Ornithopter for Surveillance

- Engineered and configured high-performance ornithopters with a **10–12-minute** flight time, optimized for extreme conditions in **aerial reconnaissance**, leveraging their bird-like flight mimicry.

Face Detection and Recognition for Efficient Surveillance

- Utilized a deep CNN architecture, **MobileNet**, along with transfer learning techniques, proving highly beneficial in commercial security and defense applications, achieving a success rate of **98.99%**.

EXPERIENCE:

Bharat Sanchar Nigam Limited: **Intern**   Chennai, Dec'19 – Feb'20

- Interned and worked on the project 'Performance of Dynamic Routing Protocols in IPv6 Networks, involving the analysis of OSPF, EIGRP, and IS-IS with GNS3, Wireshark, and Cisco 7200 routers.

- Identified OSPF-ISIS as optimal for both performance and network stability. Concluded that protocol adaptation depends on network architecture nuances, with IPv6 ensuring secure data transfer.

Airports Authority of India: **Inplant Trainee**   Chennai, Jun'18

- Interned at AAI, specializing in ATC to complement Electronics and Communication expertise. Gained practical knowledge of navigation, radar, and VHF units, focusing on equipment setup and live ATC communication. Received thorough instruction in AMSS operations, covering software utilization, message coding, and communication protocols, under seasoned professional mentorship.