RAVINDU MAHEL
CYBERSECURITY ENTHUSIAST

PERSONAL INFO

FULL NAME
Rathnayaka Mudiyanselage Ravindu Mahel Landekumbura Rathnayaka

DATE OF BIRTH
29th March 1999

NATIONALITY
Sri Lankan

ABOUT ME

I'm an ambitious and driven graduate in cybersecurity, eager to contribute to the field and gain hands-on experience. Possessing a solid foundation in cybersecurity principles, network security, and ethical hacking techniques. A quick learner with a passion for staying abreast of the latest security trends and emerging threats. Skilled in conducting risk assessments and vulnerability scanning to identify potential system weaknesses. Proficient in utilizing security tools and technologies to safeguard sensitive data and prevent unauthorized access. Strong problem-solving and critical-thinking abilities, combined with practical communication skills, enable effective collaboration with cross-functional teams. I am seeking an opportunity to apply theoretical knowledge and gain practical experience in a dynamic cybersecurity environment.

SKILLS

Programing Languages
Python
C/C++
.NET
Database Manipulation
MySQL
Oracle
Network Configuration
Packet Tracer
Mininet
Linux Configuration
Kali Linux (Red/Blue)
Penetration testing
Metasploit
Wireshark
BeEF
Cloud Configuration
Service-Now
Prometheus
Nagios

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EDUCATIONS

BSc (Hons) Computer Security (2:1) 2019-2023
Second Class Honors (Upper Division)
University of Plymouth - United Kingdom

NVQ level 4 - Computer Hardware Technician
Certificate Number - 103082654
Vocational Training Authority - Sri Lanka

Other Certifications
Ethical Hacking Essentials (EHE)
Digital Forensics Essentials (DFE)
Network Defense Essentials (NDE)
Cisco IT Essentials

JOB EXPERIENCE

Hardware and Network Technician 2018-2020
GAME-X Technologies - Bandarawela

I was responsible for maintaining, troubleshooting, and repairing computer hardware, peripherals, and network infrastructure. My typical work involves diagnosing technical issues, configuring and installing hardware and software, ensuring network connectivity, and providing technical support to ensure the smooth operation of the customer's IT systems.

COMPLETED PROJECTS

JAVELIN: AUTOMATED PENETRATION TESTING
Technologies: TensorFlow, Nmap, Metasploit, Automation, Machine Learning

Javelin is a project that utilizes Deep Reinforcement Learning algorithms to automate the penetration testing process. This project aims to provide a framework for automating the process of identifying and exploiting vulnerabilities in computer systems. JAVELIN uses a combination of Deep Learning and traditional security tools to learn from previous exploits and adjust its strategies accordingly, making it more efficient and effective over time. The project includes several modules, including a vulnerability scanner, a port scanner, and an exploit generator, among others.
Final Year Project

ASAPCALLER: DRIVER RESCUE SYSTEM
Technologies: Arduino, C#, IoT, GPRS

ASAP Caller is a driver rescue system that reduces the number of deaths caused by vehicle accidents. The goal of this project is to inform emergency lines when an accident is detected by the system. So, this system will help to reduce the chance of death by reducing the time to receive medical attention.
IoT Project

CYBER SECURITY SKILLS

Offensive security
Penetration testing
- Metasploit, Nmap, BeEF, Ettercap, Wireshark, Burp Suite, etc.

Social engineering
- Social Engineering Toolkit (SET), MSFvenom Payload Creator (MSFPC), etc.

Defensive security
Monitoring and threat handling
- FTK® Forensic Toolkit
- Wazuh - Security information and event management
- Snort - Network intrusion detection

REFERENCES

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