

# MOHAMED ALTHAF

Colombo, Sri Lanka

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## PROFESSIONAL SUMMARY

Dedicated and results-oriented Cyber Security Intern seeking to leverage a strong foundation in information security principles and technical skills to contribute to a dynamic and challenging environment. With a keen eye for detail and a passion for protecting digital assets, I am eager to apply my knowledge in vulnerability assessments, penetration testing, and incident response to safeguard organizations from emerging cyber threats. I am committed to continuous learning and staying abreast of industry best practices to ensure the highest level of security for critical systems and data.

## EDUCATION

**International College of Business and Technology** University of Sunderland Sep 2024 - Aug 2025  
BSc (Hons) Network Systems Engineering  
Reading

**International College of Business and Technology** Cardiff Metropolitan University Nov 2022 - Aug 2024  
HIGHER DIPLOMA IN NETWORK TECHNOLOGY AND CYBER SECURITY  
Final Grade: Merit

Computer Project CSE5015: Designed and implemented a secure two-node military communication framework leveraging steganography (OpenPuff) and encryption (PGP) to ensure superior data confidentiality. This innovative solution utilizes decoy steganography by embedding sensitive information within audio files, offering a more robust communication channel compared to traditional VPNs and mitigating vulnerabilities in contemporary military communications. This project addressed critical security vulnerabilities plaguing traditional VPNs in military communication, offering increased resilience against evolving cyber threat

**International College of Business and Technology** Organization for Tourism and Hospitality Management  
FOUNDATION DIPLOMA FOR HIGHER EDUCATION STUDIES – OTHM Jan 2021 - Oct 2022  
Final Grade: (Distinction)

**Mukkaramah International School**  
GENERAL CERTIFICATE OF EDUCATION ADVANCED LEVEL Jan 2021 - Dec 2021  
Final Grade: (Upper credit)

**Mukkaramah International School**  
GENERAL CERTIFICATE OF EDUCATION ORDINARY LEVEL Jan 2009 - Dec 2020  
Final Grade: (Upper credit)

## ADDITIONAL INFORMATION

### **Technical Skills:**

C++: Developed a C++ course/student registration program using structured programming and modularization.  
Cybersecurity Analysis: Utilized Autopsy, Nessus Essentials, and Wireshark for digital forensics, vulnerability assessment, and network traffic analysis.

Operating Systems & Virtualization: Proficient in Windows management and VMware Workstation.

Active Directory/DNS/DHCP: Manage Active Directory, DNS (Win Server 2012), and DHCP in Windows Server.

Firewall Management: pfSense Open-Source Firewall

XDR (Extended Detection and Response) and SIEM (Security Information and Event Management): Wazuh open-source security platform

**Cyber Security Risk Management, Cyber Security Audit, Asset Management, Identity and Access Management (IAM), Security Education and Awareness, Data Loss Protection (DLP), Incident Response, Third Party Risk Management.**

### **Soft Skills:**

Good analytical, problem-solving abilities, excellent communication and teamwork skills.  
Detail-oriented with a passion for data-driven decision-making.  
Ability to adapt quickly to new technologies and tools.

#### **Certifications:**

(ISC)<sup>2</sup> Certified in Cybersecurity (CC) Certificate.  
CISCO Certified Network Associate  
CSCU EC-Council

#### **INDUSTRIAL EXPERIENCE**

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##### **AIG Shields Up: Cybersecurity virtual experience program on Forage**

Sep 2024

- Completed a cybersecurity threat analysis simulation for the Cyber Defense Unit, staying updated on CISA publications.
- Researched and understood reported vulnerabilities, showcasing analytical skills in cybersecurity.
- Drafted a clear and concise email to guide teams on vulnerability remediation.
- Utilized Python skills to write a script for ethical hacking, avoiding ransom payments by bruteforcing decryption keys.

##### **Mastercard Cybersecurity virtual experience program on Forage**

Sep 2024

- Completed a job simulation where I served as an analyst on Mastercard's Security Awareness Team
- Helped identify and report security threats such as phishing
- Analyzed and identified which areas of the business needed more robust security training and implemented training courses and procedures for those teams

##### **Cyber Security and Ethical Hacking Intern**

Jun. 2024 - Sep. 2024

Cyber & Forensics Security Solutions (leading organization in the field of cybersecurity), Bihar, India.

#### **REFERNCES**

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##### **Prof. Sameera de Alwis.**

Senior Consultant (Military/Intelligence).

Cyber-Intel Online Pvt Ltd. 3B/5, NHS, Kiribathgoda. 11601. Sri Lanka/Israel.

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##### **Kushantha Gunawardana**

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#### **DECLARATION**

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I hereby declare that all the information furnished above is true to my knowledge and belief.