

# ALEX AMITRAJ PHILIP

Security Researcher | MSc Information Security – Royal Holloway, University of London (Top 10 globally)  
Puducherry, India | [Email](#) | [LinkedIn](#) | [Portfolio](#)

## PROFESSIONAL SUMMARY

Cybersecurity enthusiast with practical experience in threat detection, incident investigation, and digital forensic analysis gained through hands-on labs and real-world simulation platforms. Experienced in investigating malicious activity, analyzing system and browser artifacts, and correlating security events to identify attack timelines. Completed multiple investigative scenarios on Blue Team Labs Online and actively strengthening defensive security capabilities through TryHackMe. Possesses strong analytical, problem-solving, and research skills with a focus on SOC operations, threat analysis, and security monitoring.

## PROFESSIONAL EXPERIENCE

### Cyber Crime India, Puducherry

July 2024 – January 2025

#### Cyber Crime Intern

- Investigated cybercrime cases (Phishing, fraud, identity theft) and performed digital forensics using Autopsy & FTK
- Supported ISO/IEC 27001-aligned policy development, incident response, and threat mitigation with law enforcement
- Delivered cyber training to 200+ officers and assisted in network security architecture improvements

## EDUCATION

### MSc Information Security — Royal Holloway, University of London

2022 – 2024

NCSC/GCHQ-accredited | Modules: Cryptography, Network Security, Cyber Security, Cyber Forensics, Software Security, Penetration testing, Security management, Incident Response

### B.E Electrical & Electronics Engineering – Sri Krishna Institutions, Coimbatore

2017 – 2021

Modules: Data Structures, Linux & Programming in C++, Control Systems, Smart Grid Technology, Digital signal Processing, Power System Analysis, C Programming, Microprocessors & Microcontrollers

## TECHNICAL SKILLS

Monitoring & Incident Handling	Log analysis, alert triage, incident documentation.
Scripting for troubleshooting	Python, Bash (Automating repetitive tasks)
Languages	C++, Python, Bash, PowerShell
Networking Fundamentals	TCP/IP, DNS, DHCP, routing & switch basics.
System Admin	Basic Windows & Linux troubleshooting, Active Directory basics.

## KEY SKILLS

Network Security, Cryptography, Cybersecurity, Cyber Forensics, SAST/DAST, Ethical Hacking, Incident Response, Security Protocols, Risk Management, Secure Coding, Threat Analysis, IoT Security, Wireless, Communication, Risk Mitigation, Secure Data Transmission, MS Office, HTML, GSM Technology

## CERTIFICATIONS

CompTIA Security+ (Certified CE)

CompTIA CySA+ (Certified CE)

## ACADEMIC PROJECTS

### Intelligent Financial Fraud Detection Using a Hybrid Approach | 2023

- Developed a hybrid machine learning model integrating Neural Networks, Random Forest, and XGBoost to enhance financial fraud detection accuracy and enable real-time processing.
- Designed a fraud detection model utilizing stacking and weighted averaging to address evolving fraud patterns effectively.

### Cybersecurity Detection & Monitoring Lab | 2023

- Built a lab environment to practice system monitoring and troubleshooting.
- Configured firewall rules and monitored logs to identify connectivity and authentication issues.
- Developed structured troubleshooting workflows to improve issue resolution efficiency.

## VOLUNTEER EXPERIENCE

- Lions Club of Pondicherry - President 2021 – 2022 | Active Member 2016 – Present
- Starfort Cybersecurity Awareness Program - Volunteer and Organizer | 2024

## LANGUAGES

French A2 Proficiency

English

## ONLINE PROFILES

**LinkedIn:** [linkedin.com/in/alexphilip170803/](https://www.linkedin.com/in/alexphilip170803/) | **Portfolio:** <https://alexphilip01.github.io/>