

Education

Master of Science in Applied Cyber Security

Master's degree program

TU Dublin

Sept 2024 – Aug 2025 (expected)

Coursework: Digital Forensics, Malware analysis, Cryptography, Network Security, Application Security, Research Skills and Ethics
GPA: 3.5/4

Master of Science in Computer Applications

Masters's degree program

VTU, Bangalore

May 2015 – August 2019

Thesis: [Breast Cancer Classification Using Neural Network \(Published\)](#)

Identification of Breast cancer severity using Neural networks

Course Work: Big Data Analytics, Advanced Java and Enterprise Architecture, Computer Networks, Data Warehouse and Data mining, Machine Learning Techniques
GPA: 8.85/10

Bachelor of Science in Computer Applications

Bachelors's degree program

Bangalore North University

May 2015 – August 2019

Course Work: Digital Electronics, Unix Shell Programming, Visual Programming, Microprocessor and Assembly Language, Theory of Computation, Computer Architecture
GPA: 8.63/10

Projects

DFIR: Lonewolf

TU Dublin

Jan 2025

- Conducted a digital forensic investigation using tools like Autopsy and FTK Imager to analyze memory and disk images.
- Uncovered 5–8 IoC's through analysis of deleted files, browser history, and encrypted communications.

Enhancing IDS to counter Slowloris Attack

TU Dublin

Nov 2024

- Developed custom Suricata IDS rules to detect and mitigate Slowloris attacks, achieving a 75% reduction in exposure.
- Tested advanced evasion techniques and recommended Nginx adoption for improved server resilience.

Revisiting Lightweight Cryptography of IOT Architecture

TU Dublin

Nov 2024

- Implemented and benchmarked hybrid encryption methods (AES-ECC-GCM, RSA-EEC-EAX) for resource-constrained IoT devices.
- Presented findings to 200 peers, identifying optimal encryption models for secure, energy-efficient data exchange.

Technical skills

Programming Languages

GO, Power Shell Script, Bash shell script, Python, KQL, SQL, Java, JavaScript

Analysis and Defence Softwares

Autopsy, Network Miner, SIEMs, Splunk, Kibana, Suricata IDS, Snort, Sn1per, Elastic, Wazuh, Shodan.io, DNS Dumpster, Wireshark, PE studio, PE bear, DIE, ATT&CK Navigator

Frameworks

MITRE ATT&CK, MITRE D3F3ND, T-Pot Honeypot

Extra-Curricular

Zerodays CTF

2025

Croke Park, Dublin

- Took part in ZeroDays CTF, solving challenges across web exploitation, reverse engineering, forensics, and cryptography, contributing to a team ranking in the top 25% of participants.
- Developed hands-on cybersecurity skills in vulnerability exploitation, OSINT, and secure coding practices.
- Collaborated with a team to analyze and exploit real-world security flaws under time constraints.

TU Dublin Ethical Hacker Society - Member

2024 – present

TU Dublin

- Engaged in ethical hacking workshops, security challenges, and hands-on labs focused on penetration testing and exploit development.
- Collaborated with peers on CTF challenges, vulnerability research, and secure coding practices.
- Attended guest lectures and training sessions on offensive and defensive cybersecurity techniques.

Extra Courses

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| • Python Essentials 1 | (Cisco Networking Academy) |
| • Foundations of Operationalizing MITRE ATT&CK v13 Certificate | (AttackIQ) |
| • Top ATT&CK Techniques Certificate | (AttackIQ) |
| • Intro to Splunk | (Splunk e-learning) |
| • SOAR Analyst | (Google SecOps) |
| • Penetration Testing and Ethical Hacking | (Cybrary) |