

# Eidrene Glena C. Estebal

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**Aspiring Network and Cybersecurity Architect** with experience in SOC operations and protocol design for secure IoT communication. Skilled in analyzing threats, designing network solutions, and applying digital forensics. Currently completing additional Cisco NetAcad courses. Passionate about secure systems design, scalable network architecture, risk management, and technology-driven business solutions.

## Education

2019 – 2025     **Bachelor of Science in Computer Science with Specialization in Network and Information Security (BS CS-NIS) | De La Salle University–Manila**

- Specialized in network technologies and IoT connectivity, with a focus on designing and securing interconnected systems.
- Expected graduation: November 2025

## Experience

2024     **Security Operations Center (SOC) Analyst Intern — Nexus Technologies, Inc.**

Nexus Technologies provides cybersecurity services to its clients, requiring effective monitoring and analysis of potential threats to client IT infrastructures

- Assisted in assessing client security systems, monitoring, and analyzing potential threats
- Conducted passive reconnaissance and reputation research on IP addresses relevant to client networks
- Compiled indicators of compromise/attacks (IOCs/IOAs)
- Analyzed logs, email headers, and performed digital forensics using OSINT tools
- Developed a comprehensive usage guidelines document and delivered a presentation on leveraging digital forensics tools like KAPE, FTK Imager, and AIM for efficient triaging
- Participated in a Capture the Flag (CTF)

2023     **Information Technology Services (ITS) Volunteer**

The school network was infected with malware, requiring a large-scale detection initiative to mitigate risks.

- Volunteered in a comprehensive malware detection drive across the entire network
- Implemented robust security measures, such as scanning tools and preventative protocols, to safeguard digital infrastructure

## Skills

- Network and Architecture: IoT communication protocols, network traffic analysis
- Cybersecurity and GRC: Penetration testing, log analysis, privacy impact assessments, ISO 27001 gap analysis, event-based and asset-based risk evaluation
- Programming: C, Python
- Tools and Platforms: Wireshark, Cisco Packet Tracer, Kali Linux, digital forensic tools

## Projects/Thesis

- 2024 – present    **Implementing and Evaluating the SWeeT Protocol (Thesis)**  
Rising telehealth use demands secure, low-power communication for wearable devices
- Led a team in implementing and evaluating the SWeeT Protocol, a secure and low-power communication protocol for wearable telehealth devices
- 2025                **Privacy Compliance and Risk Evaluation**
- Led a team that conducted a privacy impact assessment with data flow diagrams, consent forms, and compliance documentation for a simulated organization
  - Performed a mock ISO 27001-aligned risk assessment and treatment using event-based and asset-based approaches
- 2024                **Digital Forensics Lab**
- Built a virtual purple team lab environment with attacker and victim machines, using Windows and Linux forensic labs for remote acquisition
  - Integrated two digital forensics tools to automate data acquisition and generate timeline-based analysis with timestamp correlation
- 2023                **Penetration Testing Tool and Vulnerability Management**
- Developed a proof-of-concept of an ethical hacking tool to identify and exploit system vulnerabilities
  - Delivered a comprehensive penetration test report detailing risks, exploit paths, and mitigation recommendations
- 2023                **Secure Application Enhancement**
- Integrated cybersecurity measures into an existing web application, including encryption, data validation, authentication, and authorization mechanisms to improve overall system security
- 2022                **Real-Time Chat Server Using Socket Programming**
- Built a real-time chat server using socket programming with multi-user support and message broadcasting features, demonstrating understanding of protocols and network communication