

# Christhian Alexis A. Merano

## Bachelor of Science in Computer Engineering

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🌐 <https://christhian01234.github.io/web/>

or scan:



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### Objective

Motivated computer engineering graduate with a strong foundation in IoT systems, software development, and hardware prototyping. Passionate about solving real-world challenges through technology and eager to contribute to innovative teams while continuing to grow professionally.

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### Experience

#### OJT / Internship – IT

*Bethel General Insurance & Surety Corp., Iloilo City*

#### July – August 2024

- Maintained, troubleshooted, and debugged client data management systems.
- Developed a payment monitoring interface using PHP and SQL.
- Collaborated in IT review and hardware troubleshooting.

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### Projects

- **Arduino Doorbell** – Designed an accessible alert system using Arduino and push-button input for PWD users.
- **ESP32 Anti-Intruder** – Created a laser-based intrusion detection system with IoT notifications via Blynk platform.
- **Client Data Storage System** – Built a local client data storage and monitoring payment system at Bethel General Insurance.
- **UA Vendo Smart (Thesis Project)** – An IoT-enabled vending machine that distributes test booklets, tracks inventory, sends alerts, and monitors earnings in real time.

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### Skills

**Programming:** C++, Python, Java, PHP, HTML, CSS, SQL, JavaScript

**Hardware:** Arduino, ESP32, Raspberry Pi, Logic Gates, Circuit Prototyping

**Tools & Frameworks:** Blynk, XAMPP, Visual Studio, Anaconda, Arduino IDE, GitHub

**Networking:** Basic routing & switching, CSH Level 1

**AI/ML:** Basic knowledge of machine learning concepts

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## **Trainings**

- TESDA: Programming (Java) NCIII
- TESDA: CSIH (Computer Security Incident Handling) – Level 1
- TESDA: CSS (Computer Systems Servicing) NCII

## **Certifications:**

- Cisco Networking Academy: Introduction to Cybersecurity
- *Bridging the Gap*: Strategies to Overcome the Cybersecurity Skills Shortage
- *Beyond the Hype*: The Real Impact of Artificial Intelligence on Education

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## **Education**

**University of Antique** (2021 – 2025)

*Bachelor of Science in Computer Engineering*

**Antique National School**

*Senior High School – TVL: Animation and Illustration*