

Jason Rey B. Miran

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EDUCATION

Mapúa Malayan Colleges Laguna

Bachelor of Science in Information and Technology

Cabuyao, Laguna

Expected Graduation, October 2025

- **Specialization:** Internet of Things
- **Related Coursework:** Embedded systems, Microcontrollers and IoT devices, Web and Mobile App development.
- Dean's Lister, 2024

EXPERIENCES

Management Information System (MIS) Department Intern

Shin-Etsu Magnetics Philippines, Inc.

Sta. Rosa, Laguna

April 2025 – July 2025

IT Programmer & Technical Support

- Transformed a manual, Excel-based inspection system into a modern web application with a centralized database, improving data accuracy, accessibility, and user efficiency.
- Provided technical support to staff by troubleshooting hardware, software, and network issues, ensuring minimal downtime and smooth day-to-day IT operations.

CERTIFICATIONS

CompTIA IT Fundamentals +

CompTIA – July 2024

SKILLS

Programming: C++, C#, Python, JavaScript, HTML, CSS, SQL, PHP

Tools & Technologies: Arduino IDE, Visual Studio, GitHub, Figma

Platforms: Windows

Languages: English, Tagalog

RESEARCH & PROJECTS

E-Commerce Website

Team Leader

Cabuyao, Laguna

S.Y. 2022-2023

- Developed an e-commerce website for a paper-selling company based in Biñan City.
- Designed and implemented the website using C#, HTML, CSS, PHP, and MySQL.
- Integrated a database-driven system to manage product listings, orders, and customer transactions.

RFID-Based Log System

Team Member

Cabuyao, Laguna

S.Y. 2023 – 2024

- Built an RFID-based logging system using WeMo's and an RFID sensor for secure access control.
- Designed a database-backed log system for recording and monitoring access activity.
- Developed a web-based dashboard for viewing activity logs and managing user

Air Quality Monitoring System

Team Member

Cabuyao, Laguna

S.Y. 2024 – 2025

- Developed an IoT-based air quality monitoring system using ESP32 and MQ sensors to detect gases such as CO, CO₂, and other pollutants.
- Designed a real-time data logging system, storing sensor readings in a database for tracking and analysis.
- Implemented a web interface for public access to real-time air quality data in Cabuyao City.

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Cybernetics

House Captain

Cabuyao, Laguna

Aug 2023 – June 2024

- Led 150+ students from the College of Computer and Information Sciences (CCIS) in various academic and recreational activities.
- Organized and encouraged student participation in school-wide events, sports, and team-building activities to foster camaraderie and school spirit.