

Jason Rey B. Miran

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EDUCATION

Mapúa Malayan Colleges Laguna <i>Bachelor of Science in Information and Technology</i>	Cabuyao, Laguna <i>Expected Graduation, October 2025</i>
<ul style="list-style-type: none">Specialization: Internet of ThingsRelated Coursework: Embedded systems, Microcontrollers and IoT devices, Web and Mobile App development.Dean's Lister, 2024	

EXPERIENCES

Management Information System (MIS) Department Intern <i>Shin-Etsu Magnetics Philippines, Inc.</i>	Binan, Laguna <i>April 2025 – July 2025</i>
IT Programmer & Technical Support <ul style="list-style-type: none">Converted the company's Excel-based inspection system into a web-based application with a centralized database, streamlining operations and improving data accuracy, accessibility, and efficiency.This transformation significantly reduced manual errors and cut IT-related operational costs by 50%.Provided ongoing technical support by resolving hardware, software, and network issues, ensuring minimal downtime and maintaining smooth IT operations.	

CERTIFICATIONS

CompTIA IT Fundamentals + <i>CompTIA – July 2024</i>

SKILLS

Programming: C#, Python, C++, HTML, CSS, JavaScript, SQL, PHP
Tools & Technologies: Arduino IDE, Visual Studio, GitHub, Figma
Platforms: Windows
Languages: English, Tagalog

RESEARCH & PROJECTS

E-Commerce Website <i>Web System for InkPress Printing Services</i>	Cabuyao, Laguna <i>S.Y. 2022-2023</i>
<ul style="list-style-type: none">Developed an e-commerce website for a paper-selling company based in Biñan City.Designed and implemented the website using ASP.NET.Integrated a database-driven system to manage product listings, orders, and customer transactions.	
RFID-Based Log System <i>Smart Access Control and Monitoring System</i>	Cabuyao, Laguna <i>S.Y. 2023 – 2024</i>
<ul style="list-style-type: none">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 users.	
Air Quality Monitoring System <i>Air Quality Checking and Tracking for Environmental Compliance: An IoT-Based Air Quality Monitoring System</i>	Cabuyao, Laguna <i>S.Y. 2024 – 2025</i>
<ul style="list-style-type: none">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 <i>House Captain</i>	Cabuyao, Laguna <i>Aug 2023 – June 2024</i>
<ul style="list-style-type: none">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.	