

Jhon Michael E. Andaya

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SUMMARY

Recent B.S. Information Technology graduate from Mapúa Malayan Colleges Laguna with hands-on experience in software development, web development, and IoT solutions through academic projects and internship. Proficient in Python, C#, ASP.NET, Arduino (C++), and SQL databases, with proven ability to design and implement systems that automate processes, improve efficiency, and integrate hardware with software for real-world solutions.

EDUCATION

Bachelor of Science in Information Technology

Mapúa Malayan Colleges Laguna

Aug 2020 - Jul 2025

Dean's Lister:

- A.Y. 2021 - 2022 (2nd Term)
- A.Y. 2022 - 2023 (1st Term - 3rd Term)
- A.Y. 2023 - 2024 (2nd Term)

WORK EXPERIENCE

Software Development Intern

Distribution Solutions Philippines (DISTRIPHIL)

Apr 2024 - Jul 2024 (486 Hours)

- Developed a VBA Excel-based barcode printing system that integrated with a third-party barcode API to generate barcodes and automatically print barcode on a portable sticker printer.
- Designed and deployed a Digital Return Slip Form system with barcode scanner integration, replacing manual paper-based processes and significantly reducing return processing errors.
- Developed a Digital Product Arrival Report System that combined barcode scanning with vehicle information logging, ensuring accurate delivery records, reducing manual encoding, and improving warehouse compliance.

SELECTED PROJECTS

Room Signage using E-Paper Display (Capstone Project)

- Designed and implemented an IoT-based room management and digital signage system using ESP32-powered e-paper displays.
- Built a web application for room reservations and approvals, enabling real-time schedule updates and improving operational efficiency at Mapúa MCL.

Faculty Availability and Announcement Display System

- Developed a web application integrated with ESP32 and e-paper displays to show faculty availability and announcements in real time.
- Enabled instant updates from the web app, reducing delays in communication and improving faculty-student coordination.

SKILLS

- **Programming Languages:** Python, C#, C++ (Arduino), PHP, Visual Basic for Applications (VBA)
- **Web Development:** ASP.NET, HTML, CSS, Bootstrap, JavaScript
- **Database:** SQL, MySQL, Azure SQL, MS Access
- **Internet of Things (IoT):** Arduino, ESP32, WeMos, Sensors
- **Android Development:** Xamarin
- **UI/UX:** Figma

CERTIFICATES

- DICT - Programming for Beginners Using Python
- DICT - Learn Basic Statistics with Python
- DICT - Programming for Intermediate Users Using Python
- DICT - Analyze Data with Python
- Fortinet - NSE 1 Network Security Associate