

Jhon Michael E. Andaya

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SUMMARY

Recent B.S. Information Technology graduate with hands-on experience in software development, process automation, database management, and IoT system integration through academic projects and internship. Skilled in troubleshooting, optimizing efficiency, and ensuring reliable system performance, with a strong foundation in Python, C#, ASP.NET, and SQL databases.

WORK EXPERIENCE

Software Development Intern

Distribution Solutions Philippines (DISTRIPHIL) | Apr 2024 - Jul 2024

- Developed a VBA Excel-based barcode printing system integrated with a third-party API, enabling automated and accurate sticker generation and printing.
- Designed and deployed a Digital Return Slip Form with barcode scanner integration, replacing manual paper-based processes and reducing errors.
- Built a Digital Product Arrival Report System with barcode scanning and vehicle logging, enhancing delivery tracking and improving warehouse compliance.

SELECTED PROJECTS

Room Signage using E-Paper Display (Capstone Project)

- Designed an IoT-based digital signage system with ESP32 and e-paper displays to show real-time classroom schedules (room number, course code, section, professor, and time slot).
- Developed a web application with scheduling, booking, and approval modules, enabling administrators to manage reservations and faculty to approve requests efficiently.

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, improving communication speed and enhancing coordination between faculty and students.

EDUCATION

Bachelor of Science in Information Technology

Mapúa Malayan Colleges Laguna | Aug 2020 - May 2025

Dean's Lister:

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

SKILLS

- Programming Languages & Web Development:** Python, C#, C++ (Arduino), PHP, JavaScript, HTML, CSS, Bootstrap, VBA
- Databases:** SQL, MySQL, Azure SQL, Microsoft Access
- IoT & Hardware:** Arduino, ESP32, WeMos
- Tools & Frameworks:** ASP.NET, Xamarin (Android), Figma (UI/UX)

CERTIFICATES

- Fortinet - NSE 1 Network Security Associate
- DICT - Python Programming Series (Beginner to Intermediate, Data & Statistics)