

IVAN KENNETH A. ALVAREZ



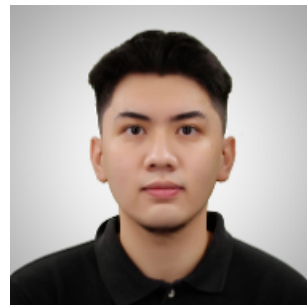
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OBJECTIVES

1. I have a fundamental knowledge across the different fields of Front-End Web Development, Embedded Systems, Manual Software Testing, Database Development, Information and Data Analysis.
2. I work efficiently independently or in teams, prioritize tasks, meet deadlines, and adapt to rapidly evolving technologies.

EDUCATION

Mapúa Malayan Colleges Laguna, Pulo-Diezmo Road Cabuyao City, Laguna, Philippines.

- **Bachelor of Science in Information Technology**, 2021 – present

Graduates of the Bachelor of Science in Information Technology program are expected to effectively solve problems by applying emerging technologies and ICT principles in the design and evaluation of computing systems.

SKILLS

TECHNICAL (Programming Skills)

- UI/UX Design and Front-End Web Development (*HTML5, CSS, JavaScript*).
- PHP, C# and C++ Programming.
- Issuing of Bug Reports for Manual Software Testing.
- Proficient in the coding and interfacing of microcontroller programs using Arduino IDE.
- Fundamental knowledge of Microsoft Power BI for data analysis and MySQL database management.

PERSONAL (Soft Skills)

- Capable of quickly adjust to new technologies, tools, and methodologies.
- Capable of effectively managing time to reconcile personal responsibilities and tasks.
- Assure the accuracy of project deliverables, documentation, and coding.
- Demonstrate self-motivation by taking the initiative to acquire new skills and technologies.

CERTIFICATES

- Google IT Support
- CompTIA IT Fundamentals (ITF+)
- BPI Foundation Front-End Web Development 101
- DICT Business Intelligence with PowerBI
- CodeChum Python Course
- Programming for Everybody (Python)

PROJECTS

MACHINE PROBLEM

E-Commerce Website (*Visual Studio Code, C#, MySQL, XAMPP, Web Application*)

- A clothing e-commerce site featuring an easy navigation, user registration, product catalog, checkout etc.

IoT Light Motion Sensor with Manual Override (*Visual Studio Code, C#, PHP, MySQL, XAMPP, Arduino IDE, Web Application*)

- IoT system, LED control system with manual and auto modes, light detection, alarm, and data logging.

Smart Access Control and Monitoring System (*Visual Studio Code, C#, PHP, MySQL, XAMPP, Arduino IDE, Mobile Application*)

- IoT system, with RFID-based authentication with real-time monitoring and microcontroller for secure and efficient control.

CAPSTONE

Air Quality Checking & Tracking for Environmental Compliance: An IoT-Based Air Quality Monitoring System

- Real-time air quality system with ESP32, MQ sensors, GPS, and C# web app, using Arduino IDE, VS Code, and cloud integration.

INTERNSHIP

ICTO Inventory Management System (*Visual Studio Code, PHP, HTML, CSS, JavaScript, Web Application, CodeIgniter 4, MVC Architecture*)

- Hardware & Software Inventory Management, Generation of Inventory Reports, User Role Management, System Logs

SEMINARS

- **TechTalk 2025**, Integrating Security and Efficiency in the Workplace.
- **WearOS Workshop Seminar 2025**, Workshop focused on developing wearable app using Android Studio.
- **CALABARZON CYBER CARAVAN 2024**, Cyber Security Awareness conducted by the DCIT IV-A and MMCL Infotech Society.

Extra-curricular Activities

Executive President, Mapúa Malayan Colleges Laguna InfoTech Society (from A.Y. 2023 - 2024)

- *Provide academic support to IT students, organize seminars, and engage in community service activities.*

Volunteer, MMCL Center for Service-Learning and Community Engagement Office (from A.Y.2022-2023)

Volunteer, Mapúa Malayan Kalikasan (from A.Y.2022-2023)