MAR KEVIN P. ALCANTARA

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SUMMARY

Computer Engineering student pursuing internship roles in Web Development and AI/ML. Experienced in leading full-stack web and AI projects, integrating machine learning models with REST APIs, and building real-time React.js dashboards. Strong foundation in frontend, backend, and AI model deployment, with hands-on leadership in delivering production-ready systems for real-world use.

SKILLS

- **Web Development:** HTML, CSS, JavaScript, React.js, Bootstrap, Flask, PHP, REST API Development
- **AI / Machine Learning:** TensorFlow, YOLO (Object Detection), OpenCV, Model Deployment & Inference
- **Databases:** MySQL, SQL
- **Tools:** Git, GitHub, VS Code
- **IoT (Supporting Skills):** Arduino, Raspberry Pi, IoT Sensors

PROJECTS

FOVB-AIoT: Four-in-One Vital Sign Sensor with BMI Calculation   **August 2025 - Present**

- Lead AI & Web Developer: Built a smart health kiosk for RTU Pasig Clinic, integrating Arduino IoT sensors to capture real-time vital signs and TensorFlow/YOLO models for BMI estimation and instant health risk predictions.
- Developed a React.js dashboard with live visualization of AI-driven results, supported by REST APIs and MySQL for seamless data management.
- **Technologies:** Python, TensorFlow, YOLO, Arduino, IoT Sensors, React.js, REST API, MySql.

Smart AI Kilo Bot: Intelligent Weighing and Pricing System   **November 2025 - December 2025**

- Served as Front-end Developer, creating an intelligent automated weighing solution designed to optimize transaction speed and eliminate calculation errors in fast-paced marketplaces.
- Integrated precision hardware sensors with automated pricing logic to synchronize weight data with cost computation, ensuring instant and accurate results.
- **Technologies:** Python, Arduino, Load Cell Sensors, IoT, Embedded Systems.

Smart Locker System   **November 2024 - December 2024**

- Served as Lead IoT Developer, designing a secure storage solution that bridges physical hardware with software control.
- Built a custom Python-based GUI for user-friendly PIN authentication and successfully integrated electronic locking mechanisms for automated access.
- **Technologies:** Raspberry Pi, Python, IoT, GUI Development, Computer Hardware.

CureSecure: Pharmacy POS & Inventory System (C# WinForms)   **January 2023 - April 2023**

- Served as Lead Programmer, overseeing the architecture and development of a desktop solution to streamline daily pharmacy operations and sales.
- Engineered critical modules for real-time inventory tracking, automated restock alerts, and secure role-based access control (RBAC) for staff management.
- **Technologies:** C# (WinForms), MySQL, GitHub.

EDUCATION

Bachelor of Science in Computer Engineering (BSCpE)   **August 2022 - Present**
Rizal Technological University- Pasig City

Senior High School (SHS) STEM   **Aug 2020 - July 2022**
Arellano University Bonifacio Campus- Pasig City