

Meredith M. Roncejero

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Jose Panganiban Camarines Norte



I am a 4th-year student pursuing a Bachelor of Science in Information Technology degree. Aspiring Mobile, Website developer, UI/UX designer and IoT developer with technical skills in Python, Java, HTML, CSS, and JavaScript. Knowledgeable in database handling using PostgreSQL, MySQL, Xampp and SQLite. Also creative in designing using Figma, Canva and basic 3D modeling using 3ds Max. Actively seeking opportunities as an IT intern to grow and apply my skills in mobile, website development, data management and UI/UX designer.

Education

Camarines Norte State College

Bachelor of Science in Information Technology, August 2022 - Present

Skills

- **Backend** : Python (Intermediate) • Java (Basic)
- **Databases**: PostgreSQL (Intermediate) • MySQL (Intermediate) • Xampp (Intermediate) • SQLite (Intermediate)
- **Frontend Development**: HTML (Intermediate) • CSS (Intermediate) • JavaScript (Intermediate)
- **UI/UX Design & Creativity**: Figma (Creative) • Canva (Intermediate) • Responsive Wireframe • User Flow & Prototyping
- **Version Control & DevOps**: Git (Basic) • GitHub (Basic) • Porkbun (Basic)
- **AI, API & Automation**: Machine Learning (Basic) • Data Analysis (Intermediate) • Rule-Based AI (Intermediate)
- **IoT Developer**: Raspberry Pi (Intermediate) • Arduino uno (Intermediate)
- **3D, Game Development & Multimedia**: 3ds Max (Basic) • Unreal Engine (Basic) • Premiere Pro (Basic) • After Effects (Basic)
- **Professional**: Problem-Solving & Analytical Thinking • Debugging & Testing • Version Control Practices (Basic) • Team Collaboration.

Project Experience:

Eye Can See Optical Clinic Appointment and Management System with IoT-based face shape analysis and AI-driven frame recommendation.

ROLE: IoT Developer - Backend Developer - Frontend Developer

Date: Jan. 2025 – Dec. 2025

- Collaborated with a team to develop a digital management system featuring appointment scheduling, inventory tracking, and AI-assisted eyeglass frame recommendations, replacing paper-based records.
- Helped reduce manual appointment handling and record processing time by **40–50%** by digitizing workflows and automating scheduling and data retrieval.
- Integrated AI-driven frame recommendation and IoT-based face shape analysis, improving frame selection accuracy and enhancing the overall frame recommendation features.
- Contributed to the integration of **AI-driven frame recommendations** and **IoT-based face shape analysis**, improving frame selection accuracy and user experience.
- Programmed microcontrollers (Raspberry Pi) to collect, process, and transmit sensor data • Managed databases for patient data, appointments, and recommendation results.
- Contributed to **UI/UX design** focused on usability and clear workflow navigation for the appointment system.
- Developed admin-side frame recommendation logic using **condition-based rules and scoring methods**.

Autonomous Egg Quality Efficient through IoT and Image Processing Technologies

ROLE: IoT Developer

Date: Feb. 2024 – Dec. 2024

- Contributed to the development of an **IoT-enabled automated egg sorting system** using a Raspberry Pi–controlled conveyor for identifying balut, penoy, and abnoy.
- Collaborated with a team to develop a **web-based sales and inventory management system** for tracking sorted egg types.

- Lead in integrating **motors, sensors, and conveyer** to enable real-time monitoring and accurate quality assessment.
- Helped design **safe hardware mechanisms** to handle and inspect eggs without causing damage.
- Participated in testing and system integration to ensure reliable operation between hardware components and the web system.

R-Closet Sales & Inventory System

ROLE: UI/UX Designer, Backend Developer

Date: Feb. 2023 – May, 2023

- Collaborated with a team to develop an **inventory and sales management system**, reducing processing time by **35–45%** through digitizing manual workflows and automating stock updates and transaction logging.
- Designed and implemented a user-friendly desktop frontend using Tkinter, enabling faster order entry and real time inventory visibility.
- Assisted in building and maintaining the backend using **Python and SQLite**, managing hundreds of product and transaction records with improved data accuracy and reliable performance.

Aqua Alert

ROLE: UI/UX Designer

Date: Nov. 2023 - Dec. 2023

- An IoT-based flood prediction and Early warning system UI/UX design.
- Designed high-fidelity interactive screens and user flows application, incorporating flood monitoring, location detection, evacuation assistance, safety indicators, real-time data collection, and predictive analytics.
- Conducted user testing and feedback sessions to improve usability, accessibility, and overall user experience.

CERTIFICATIONS:

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- Technical Support Fundamentals — Google (Coursera), Dec 2024
 - Networking Basics — Cisco Networking Academy, Dec 2024
 - Bicol IT Students Congress (BITSCON), Apr 2024 — Camarines Norte State College
 - Creative Seminar in Portfolio Making, Mar 2025 — Camarines Norte State College
 - From Scroll to Skill, Mar 14, 2025 — Our Lady of Lourdes College Foundation Inc.

CHARACTER REFERENCE:

Edgar Bryan B. Nicart, DIT
Professor, Camarines Norte State College (CNSC) edgarbryannicart@cns.edu.ph