

PAOLO ARANETA

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Education

Cebu Technological University

Bachelor of Science in Information Technology

Expected Graduation: August 2026

Cebu City, Philippines

- Major Courses: Programming, Data Structures and Algorithm, Information Management, Networking, Information Security

Experience

Project Management

Cebu Technological University

Feb 2025 – Oct 2025

Cebu City, Philippines

- **Led the development of Barangay Management System** for San Roque (Ciudad) in Cebu City.
- Developed a solution to minimize staff workloads by automating 85% of the barangay's manual operations and integrating them into a centralized system, **maximizing their efficiency by at least 85%**.
- **Led the development of Securado**, a real-time tracking system, with GPS and GSM-based device capable of sending real-time latitude and longitude data to the cloud server.
- **Actively communicating** with stakeholders and the development team to **deliver quality product** and **meet user requirements**.

Community Training Resource Person

Barangay San Roque (Ciudad)

Aug 2025 – Oct 2025

Cebu City, Philippines

- **Contributed to BarangayConnect Training** as a resource person conducted in Barangay San Roque (Ciudad).
- Introduced key features of the system and demonstrated their functionalities and benefits.
- Assessed the capability of less computer literate individuals through **hands-on system training**.

Projects

Securado | Website | Mobile | Internet of Things

React | TypeScript | Django | PostgreSQL

- Developed the web using React and React-Native for mobile with Expo
- The tracking device is built with ESP32, GPS and GSM.
- Used Django as backend serving REST API to the web, mobile and tracking device
- Implemented a modular solar charging for the device

Barangay San Roque (Ciudad) | Website | Mobile

React | TypeScript | Django | PostgreSQL

- Developed the web using React, mobile using React-Native with Expo, and Django as backend serving REST API
- Implemented KYC algorithm to automate user identity verification and assessment
- Managed two separate databases implemented in the system to keep data in sync
- Implemented CI/CD pipeline to automate integration testing using Github Actions
- Deployed the application and server via render

Technical Skills

Languages: Python, Java, SQL, HTML5, CSS, JavaScript

Developer Tools: Postman, Git, VS Code, Supabase

Libraries/Frameworks: Django, React, PostgreSQL, Flask, FastAPI, TailwindCSS, NodeJS