

# PAOLO ARANETA

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## Education

### Cebu Technological University

*Bachelor of Science in Information Technology*

**Expected Aug 2026**

*Cebu City, Philippines*

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

## Experience

### Project Management

**Feb 2025 – Oct 2025**

*Cebu Technological University*

*Cebu City, Philippines*

- Led the development of a **Barangay Management System** for San Roque (Ciudad), Cebu City.
- Automated 90% of manual barangay operations by integrating workflows into a centralized digital platform, boosting staff efficiency by 90%.
- Developed **Securado**, a real-time GPS and GSM tracking system capable of transmitting live coordinates to the cloud.
- Collaborated closely with stakeholders and the development team to deliver high-quality software aligned with user requirements.

### Technical Training Instructor (Student Role)

**Aug 2025 – Oct 2025**

*Barangay San Roque (Ciudad)*

*Cebu City, Philippines*

- Served as a student trainer for the **BarangayConnect Training Program**, empowering local residents through hands-on digital literacy training.
- Introduced and demonstrated key features of the barangay system, showcasing its benefits to non-technical users.
- Conducted practical training sessions to assess and improve participants' computer literacy and system usage skills.

## Projects

### Securado | *Web, Mobile, IoT*

**React, TypeScript, Django, PostgreSQL**

- Developed web and mobile applications using React and React Native (Expo) integrated via a RESTful Django backend
- Built a GPS and GSM-enabled tracking device with ESP32 for real-time geolocation.
- Implemented modular solar charging and cloud-based telemetry for continuous operation.

### Barangay San Roque (Ciudad) | *Web, Mobile*

**React, TypeScript, Django, PostgreSQL**

- Developed a cross-platform barangay management system with automated Know Your Customer (KYC) verification and assessment for resident registration in barangay San Roque (Ciudad), Cebu City.
- Synchronized dual databases to ensure consistent real-time data access.
- Set up CI/CD pipelines with GitHub Actions for integration testing and deployed via Render.

## Technical Skills

**Languages:** Python, Java, JavaScript (TypeScript), SQL, NoSQL, HTML, CSS

**Frameworks:** React, Django, Node.js, Flask, FastAPI, TailwindCSS

**Databases:** PostgreSQL, MySQL, Supabase, MongoDB

**Developer Tools:** Git, GitHub, Postman, VS Code