

PAOLO ARANETA

(+63) 926-2355-926 | paoloaraneta008@gmail.com | linkedin.com/in/paoloaraneta | github.com/Aytsuu

Education

Cebu Technological University

Bachelor of Science in Information Technology

Expected July 2026

Cebu City, Philippines

Technical Skills

Languages: Python, C#, Javascript (Typescript), SQL

Frameworks: FastAPI, Django, Flask, .NET, React, Node.js

Tools: Git, Github, Docker, REST APIs, PostgreSQL, Redis

Cloud & DevOps: Supabase, CI/CD Pipelines, Dockerized Deployments

Experience

Software Engineer Intern

Dinnox IT Solutions

Feb 2026 – June 2026

Cebu City, Philippines

- Led the development of a client-based website, implemented a structured monolithic architecture, and designed user workflows.
- Fixed a backend bug that heavily affected the development of interns and senior developers.
- Increased team productivity by introducing automation tools, such as leveraging agentic engineering in their workflows.

Technical Training Instructor

Barangay San Roque (Ciudad)

Aug 2025 – Oct 2025

Cebu City, Philippines

- Served as a student trainer for the BarangayConnect Training Program, empowering **50+** local government workers through hands-on digital literacy training.
- Introduced and demonstrated key features of the barangay system, showcasing its benefits to non-technical residents and staffs.
- Conducted practical training sessions to assess and improve participants' computer literacy and system usage skills.

Projects

Orca | *Python, Astro, React, Redis, Supabase, Docker*

- Developed an AI-powered solution that turns real-time conversations into structured project plans so teams never loses sight of their project's finish line.
- Contributed to the development of this project's Minimum Viable Product within 6 days as Full Stack.

Findmyfiles | *Python, C#*

- Built a searchable memory for Windows desktop files using Gemini Embedding 2 for multimodal data retrieval and embedded it with a vector database.

Hyperlocal Circular Economy Platform | *React, FastAPI, Supabase, Docker*

- Developed an application to divert food wastes from landfill, contributing to environmental wellness while fostering community resilience.
- Integrated an AI inference automation for food waste posting via images using gemini cloud LLM models.

Barangay Management System | *React, Django, Docker, SQL*

- Implemented an automated Know Your Customer (KYC) verification and assessment for resident registration.
- Synchronized dual databases to ensure consistent real-time data access.
- Set up CI/CD pipelines with GitHub Actions for integration testing and continuous delivery via Render and Supabase services.

Face Recognition Profiling | *React, Flask, NoSQL*

- Developed a biometric profiling application using the FaceNet model for high-accuracy face recognition and Flask-SocketIO to enable real-time, bidirectional communication.

Hackathons & Ideathons

Southeast Asia Innovation Competition

Participant

- Proposed a wellness-centric workspace planning platform that transforms room photos into purchase-ready layouts using instant AI simulation, clutter detection, and localized inventory tracking.
- Designed neurodivergent-aware style templates (color psychology) and budget-friendly DIY alternatives using recyclable materials to make workspace design accessible to students.

Reply AI Agent Challenge 2026 | *Python, LangChain, OpenRouter, Langfuse*

Rank 64 / 1,920 Teams

- Built a multi-agent AI risk-classification system using a hybrid ML and LLM pipeline to analyze event, mobility, and persona data, flag high-risk cases, and validate submissions with traceable agent runs.

OLTEK Paper to Data Hackathon | *FastAPI, PaddleOCR, Ollama, Next.js, PostgreSQL, Docker*

Top 10 Finalist

- Built a document intelligence platform that transformed contracts and scanned logistics paperwork into structured datasets and export-ready Excel reports through OCR, LLM extraction, validation, and a real-time web interface.

USAII Global AI Hackathon 2026 | *FastAPI, Astro, React, Supabase, PostgreSQL, Redis*

Finalist

- Built a human-in-the-loop AI planning workspace that used multi-stage agents, context retrieval, and proposal validation to turn team chats and project artifacts into structured execution plans.

ASEAN AI Hackathon 2026

Participant

- Proposed a multi-role AI public transport platform that helps commuters choose optimal loading zones using live telemetry, demand signals, confidence scoring, and corridor-level transit analytics.

IBM Dev Day: Bob Edition Hackathon 2026 | *FastAPI, React, TypeScript, watsonx.ai, pandas, Polars*

Participant

- Built a multi-agent ICU deterioration monitoring system that analyzes patient vitals, cross-signal conflicts, and time-sensitive risks to generate risk scores and SBAR briefs for clinicians.