

Cyril John T. Ypil

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EDUCATION

University of Cebu – Main Campus

2022 – June 2026

Bachelor of Science in Information Technology

Cebu City

- Graduated **Magna Cum Laude** on June 9, 2026.
- Relevant Coursework: Systems Integration, Cloud Computing, Data Structures & Algorithms.
- Certifications: IBM AI Fundamentals, Introduction to Cybersecurity & Penetration Testing.

Buanoy National High School

2021 – 2022

Senior High School – STEM Strand

Balamban, Cebu

- Specialization: Science, Technology, Engineering, and Mathematics.

EXPERIENCE

JOBTARGET PH

Remote

Data Scientist Intern

January 2026 – May 2026

- Manage and analyze extensive datasets to architect analytical dashboards in Amazon QuickSight, delivering strategic insights to executive stakeholders.
- Develop complex SQL queries and window functions in Amazon Athena to optimize dataset creation and validation for dashboard precision.
- Implemented automated Data Quality (DQ) checks using AWS Glue ETL jobs, focusing on Referential Integrity and Data Reconciliation.
- Architected anomaly detection dashboards to proactively identify and resolve "dirty data" issues, ensuring high data governance and integrity.
- Author comprehensive technical documentation for data validation processes to ensure a trusted "single source of truth" for organizational databases.

LEADERSHIP & PROJECTS

ENERGREEN | AI-POWERED IOT SYSTEM

Cebu City, Philippines

Lead Architect

October 2025 – February 2026

- **Tech Stack:** Python, Node.js (Express), Vue.js, GCP (Cloud Run, Pub/Sub), Firebase (App Hosting, Firestore), HiveMQ.
- Architected a scalable and secure IoT data pipeline using HiveMQ as the MQTT broker to handle high-throughput sensor data.
- Engineered a secure proxy backend using Node.js and Express, deployed on Firebase App Hosting, to mask Cloud Run API endpoints and prevent direct exposure of internal microservices.
- Designed a fault-tolerant backend on Google Cloud Platform, utilizing Pub/Sub to ensure efficient data processing even during network spikes.
- Integrated LightGBM and Prophet AI models to provide predictive analytics on energy consumption patterns.

SKILLS & INTERESTS

- **Technical Skills:** SQL (Expert), Python (Pandas/NumPy), AWS (Glue, Athena, QuickSight), GCP, DQDL.
- **Tools & Agile:** Jira, Confluence.
- **Certifications:** IT Passport (PhilNITS), TOPCIT Level 3 (IITP South Korea Standard), Data Manipulation with Pandas (DataCamp), AI Fundamentals (IBM).
- **Interests:** Data Strategy, Anomaly Resolution, and emerging Cloud Technologies.