KATRIEL CALEB O. TIRU

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ABOUT ME

Motivated Computer Science student seeking hands-on experience to strengthen technical and problem-solving skills. Experienced in web development and machine learning, with a solid grasp of software design and implementation. Proactive team player who values collaboration, adaptability, and continuous learning in fast-paced environments. Dedicated to contributing effectively to team goals while growing as a versatile and reliable developer.

PROFILES, PORTFOLIOS

- https://www.linkedin.com/in/kctiru
- https://kcotiru.github.io/kctiruPortfolio.github.io

EDUCATION

Holy Angel University | Expected Graduate in April 2026

Bachelor of Science in Computer Science

- Completed Coursework: Intelligent Systems and Introduction to Modeling and Simulation, 2025
- Completed Coursework: Data Analytics for Computer Science, 2025

PROJECTS

Laptop Price Prediction
Developed a machine learning model to estimate laptop prices based on hardware specifications, achieving an R^2 score of 0.914 and an average prediction error of ₱8.8K.

Aquarium Monitoring Application (Thesis Project)
Built a real-time monitoring system using CNN-based fish behavior recognition and sensor data on Raspberry Pi, featuring automated alerts and a mobile dashboard.

Chord App
Created a mobile application that lets users store, write, and edit song chords, with an automatic chord transposition feature for different keys.

SKILLS

- Flexible and adaptable
- Computer skills
- Python programming
- Deep learning
- Machine learning integration
- Model development
- Object-oriented programming
- Back end development