Lanz Andrei C. Colico

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SUMMARY

Computer Science student at the Technological University of the Philippines seeking an internship opportunity to apply and expand my skills in software development. Experienced in building academic and personal projects using modern technologies including React Native, Flask, Next.js, and Python. Currently developing a thesis project on PPE compliance detection using YOLOv11 and computer vision. Eager to learn, collaborate, and contribute in a professional environment.

PROJECT

JJBZ Trading PPE Compliance System
· Developing occupational safety standard compliance system for 7 distinct PPE labels under company and OSHA Standards
· Creating automated compliance monitoring and reporting system for workplace safety equipment
· Implementing real-time PPE detection and validation against regulatory requirements.

Hanapkita – Job Portal System
github.com/LA-Colico/hanapkita
· Developed a comprehensive employment platform connecting job seekers with employers using PHP, MySQL, and Bootstrap
· Implemented dual-interface system enabling candidates to manage profiles, upload resumes, and track applications while employers post jobs and evaluate applicants
· Created administrative dashboard with job category management, user oversight, and reporting capabilities

Cash Elan Bank App
github.com/LA-Colico/Cash-Elan-Bank-App
· Built production-ready mobile banking application using React Native, Expo, and Firebase with enterprise-grade security
· Engineered security measures with AES encryption, and Firestore security rules.

Ask Lagronian Campus Chatmate
github.com/LA-Colico/Ask-Lagronian-Campus-Chatmate
· Developed an AI-powered educational chatbot for Lagro High School using Flask and Google Gemini 2.0 Flash AI
· Integrated Google OAuth 2.0 authentication for secure access to personalized chatbot features

EDUCATION

Bachelor of Science in Computer Science
Technological University of the Philippines · 2022 – Present · 1.38
· Under the Republic Act 10931 — Free Higher Education Program.

Science, Technology, Engineering, and Mathematics (STEM)
Lagro High School · 2016-2022

CERTIFICATIONS

Certificate of Completion – In-demand Python Program
Bayan Academy · 2023

AWARDS & HONORS

QC-YDO Economic Scholarship
Quezon City Youth Development Office · 2023

Graduated with High honors
Lagro High School · 2022

SKILLS

Skills 0: Python (Pandas, NumPy), SQL, JavaScript, TypeScript, PHP, React Native, Flask, MySQL, Firebase, HTML, CSS, Bootstrap, Git