ROLEX J. ESTO

Quezon City, PH | rolexesto0001@gmail.com | +63 920-541-9023 | linkedin.com/in/rolex-esto-1b33b2391/
Portfolio: https://rolex-esto.vercel.app/ | GitHub: https://github.com/rolex-esto

SUMMARY

4th-year BSIT student building practical, production-ready solutions across software, AI, data, and cloud technologies. Backed by verified technical credentials—including a DICT-Recognized Cybersecurity Professional (Category 2) designation, 4× DataCamp certifications, Google AI, and ISC2 CC—alongside completed Microsoft and AWS training tracks. Proven execution through real-world systems and research, including advancing AI as a GCI World 2026 Participant (University of Tokyo), founding BizPilot, and securing Top-tier finishes in national hackathons (DevKada, KiroVerse, BuildOvernights).

EDUCATION

STI College Fairview — Quezon City, PH
Bachelor of Science in Information Technology — September 2023 – July 2027

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, PHP, SQL
Web Technologies & Frameworks: React, Next.js, Node.js, Vite, HTML/CSS, OAuth
Databases & Data: MySQL, PostgreSQL, Power BI, DuckDB / Parquet, Recharts, Excel, Pandas, NumPy
Cloud & Security: AWS, Azure, GCP, Microsoft Fabric, Vercel, IAM
Tools & AI: Git, GitHub, Playwright, Cursor, Kiro, Antigravity, Claude, ChatGPT, Gemini AI

EXPERIENCE

Eskwelabs Innovation Fellowship (EIF) — August 2026 – Present
Data Innovation Fellow (Cohort 11)

- Selected for the highly competitive Cohort 11 Data Innovation track, focusing on cross-functional projects spanning Data Analytics, Data Modeling, Strategy & Management, and Learning Experience Design.
- Collaborating with cross-functional teams to build data-driven solutions and drive strategic tech initiatives.

BizPilot (MSME Operations Platform) — Active Development
Startup Founder & Developer

- Addressed the inefficiencies of manual MSME management (scattered DMs, unverified payments, stock overselling) by developing BizPilot, an all-in-one operations hub integrating a unified inbox across social channels, successfully streamlining end-to-end sales for Filipino online sellers.
- Engineered a Grounded AI Sales Assistant and 1-Click Conversational Order system with real-time operations calendar sync, eliminating manual calculation errors and securing data isolation.

TECHNICAL PROJECTS & HACKATHONS

BahaRoute — Flood-Aware Route Helper for Metro Manila — October 3–4, 2026
Top 36 Team & Top 10 on Climate Change Track, BuildOvernights KiroxHackaton
AWS Headquarters ArthaLand Century Pacific Tower, BGC, Taguig, Metro Manila

- Engineered BahaRoute, a flood-aware navigation helper covering 17 cities and 1,710 barangays in Metro Manila, successfully shipping a functional prototype within an intense 12-hour hackathon window.
- Integrated Project NOAH flood history and live rainfall forecasts to evaluate route safety over speed, preventing drivers from navigating into impassable flooded roads.
- Implemented driving-focused UX features including real-time voice hazard alerts to proactively warn drivers of approaching flood zones.

OpsPilot — AI DevOps Incident Investigator — August 24–29, 2026
Top 2 Winner, DevKada x ClankerCloud Build Challenge
Environment: AI agent design, structured system instructions & skills, cloud observability tooling

- Addressed the risk of AI hallucinations and dangerous assumptions in production debugging by developing OpsPilot, an AI DevOps Incident Investigator designed to prioritize evidence over guesses and prevent misdiagnosed fixes during critical incidents.
- Engineered a continuous investigation loop (Scan → Hypothesize → Test → Reassess → Remediate → Verify → Validate) to scan logs, repository info, and cloud signals, generating competing hypotheses and explicitly returning "ROOT CAUSE NOT CONFIRMED" when evidence was insufficient.
- Designed an eight-category evidence model separating observation from inference, four hypothesis states including explicit DISPROVEN transitions, and a resolution gate requiring six post-remediation signals before declaring RESOLVED.

Weather Weather Lang — Conversational Weather Companion — June – August 2026
3rd Place Winner | AI Orchestrator, KiroVerse Hack Sprint: Shipaton Edition
Team project · Partnered with AWS and RevenueCat · 8-week workshop & 9th-week hackathon

- Addressed strict hackathon time constraints by acting as an AI Orchestrator, designing a central "brain" to process user prompts and intelligently delegate specific tasks to Kiro agents, successfully eliminating manual code and documentation scanning to accelerate rapid prototyping.
- Implemented "loop engineering" mechanisms to continuously evaluate and iterate agent outputs until strict quality thresholds were met, enabling the team to seamlessly ship a functional app and secure 3rd Place at the event.

Ulan Ba? — Philippine Rain Forecast Dashboard July 2026

Environment: React, TypeScript, Vite, Recharts, Open-Meteo API

- Engineered a highly responsive React and TypeScript dashboard utilizing the Open-Meteo API to bridge the gap in localized weather insights, providing Filipinos with actionable forecasting data for travel and outdoor decisions.
- Integrated an interactive map with advanced GPS detection covering 17 regions and 150+ cities to deliver hyper-local tracking, achieving highly accurate hourly rainfall and severity forecasting.
- Designed intuitive, user-centric features including "Best Time to Go" algorithms, smart typhoon alerts, and dark mode, resulting in a fully responsive cross-platform application for multi-city weather comparisons.

Capstone Project - Full-Stack E-commerce Platform February 2026 – Present

Environment: PHP, MySQL, PDO, Laragon, HTML, CSS, JavaScript, Google OAuth, Gemini AI, PHPMailer, Hostinger

- Engineered a production-ready e-commerce platform using PHP, MySQL, and PDO to digitize sales for Classic Flagship Store, resulting in a fully deployed system on Hostinger.
- Addressed manual store management inefficiencies by developing role-based dashboards (admin, cashier, customer) and integrating Google OAuth, leading to streamlined inventory control and secure authentication.
- Mitigated user enumeration vulnerabilities and SQL injection risks by implementing PDO prepared statements and storing sensitive credentials in environment variables, successfully securing user data and email communications via SPF/DKIM/DMARC configurations.

CERTIFICATIONS

Cloud & Data: DataCamp Certified Associate Data Engineer (Jul 2026); DataCamp Certified in Data Literacy (Jul 2026); DataCamp Certified Associate Data Analyst (May 2026); DataCamp Certified SQL Associate (Apr 2026).

AI & Security: DICT-Recognized Cybersecurity Professional — Category 2 (Intermediate) (Sep 2026); Google AI Professional Certificate (Aug 2026); Appkademiya Certified Cybersecurity Professional (Aug 2026); ISC2 Certified in Cybersecurity (CC) (Mar 2026); RED TEAM LEADERS Certified Threat Intelligence & Governance Analyst (Jan 2026).

FELLOWSHIPS & PROFESSIONAL TRAINING

GCI World 2026 | Matsuo-Iwasawa Laboratory, University of Tokyo September 2026 – Present

Participant — Data Science & AI

- Selected to participate in global data science and AI training under the Matsuo-Iwasawa Laboratory, strengthening knowledge of data-driven methods and intelligent systems to apply to real-world software and data engineering builds.

Completed Professional Tracks: Microsoft PL-300: Power BI Data Analyst (Oct 2026); Microsoft DP-700T00-A: Fabric Data Engineer (Aug 2026); Microsoft DP-900T00-A: Azure Data Fundamentals (Jul 2026); AWS SimuLearn – Cloud Practitioner (Jul 2026); DICT Region V — Data Privacy Protection Competency Framework, 20-Hour Intensive Training (Jun 2026).

LEADERSHIP & AFFILIATIONS

Data Engineering Pilipinas x Echelon 2026 by Brainsparks August 25–26, 2026

Delegate / Representative

- Represented Data Engineering Pilipinas at Echelon 2026, a leading Philippine startup and technology event focused on AI, innovation, entrepreneurship, and business, connecting students, founders, developers, investors, and industry leaders to learn, network, showcase solutions, and explore opportunities in the growing tech ecosystem.

Seekers Guild August 2026 – Present

Venue Partnerships Associate

- Addressed the need for increased visibility among emerging startups by organizing spotlight events and sharing resources such as workshops and perks, successfully fostering a highly collaborative and supportive startup ecosystem.

Additional Affiliations: ISC2 Philippines Chapter (Member), Data Engineering Pilipinas x DataCamp Donates (Scholar), ISC2 Certified in Cybersecurity (Member), STI Fairview Bytes (Member), STI Alumni Scholarship (Scholar), DTI Metro Manila x Google Career Certificate (GCC) Scholar, Cisco NetConnect PUP – Manila (Cybersecurity Operations).