

# KIER CHRISTIAN F. REYES

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## PROFESSIONAL SUMMARY

AWS Certified Cloud Practitioner and aspiring Data Scientist pursuing a B.S. in Computer Science. Combines expertise in AI model fine-tuning and modern SaaS development (Next.js, TypeScript) with a proven track record of automating government workflows to process thousands of daily records.

## SKILLS

**Core Backend Skills:** MongoDB, Java, RESTful APIs, MySQL, PHP, Laravel (LAMP & TALL Stack),

**Frameworks & Technologies:** Node.js, NextJS Express.js, Svelte.js, Astro.js, Laravel, FilamentPHP

**Frontend & UI:** HTML/CSS, Bootstrap, Tailwind CSS, JavaScript, jQuery, BladePHP, Typescript

**Development & DevOps:** Git, GitHub, Postman, XAMPP/WAMP, PuTTY

**Cloud AI & ML:** AWS SageMaker, AWS Bedrock, CrewAI, LangChain

**Data Science & Vision:** Python, Roboflow, Ollama, NotebookLM

**Also Familiar With:** Docker, PHPUnit, Matlab, Terraform, Kubernetes, C#, Eclipse, PowerBI, Figma, Canva, WordPress

## DEVELOPMENT EXPERIENCE

### Work Experience Intern (Junior Officer)

November 2021 – August 2022

*City Information Technology Office.*

*Sta. Rosa City, Philippines*

- Managed and maintained medicine inventory databases using phpMyAdmin, ensuring accurate tracking of critical healthcare supplies.
- Developed VB Macros and Power Query scripts to automate vaccination ticketing processes, reducing manual entry time and improving data accuracy.

## DEVELOPMENT KEY PROJECTS

### Cloud Load Balancer Simulator (Thesis) | *React, Vite, CloudSim, SpringBoot, Java, Matlab*

January 2025 – December 2025

- Selected as one of the top 5 university research entries for the RSU International Research Conference in Thailand, qualifying for potential international presentation.
- Developed a modern web interface to configure data centers and visualize cloud load balancing simulations.
- Implemented real-time animations for task distribution and VM utilization to benchmark the custom Enhanced PSO and Enhanced ACO algorithms developed specifically for this study.
- Integrated MATLAB-driven visualizations and comprehensive metric analysis charts.

### Sulát: Baybayin Learning Platform | *React, Node.js, Express, MongoDB (MERN Stack)*

August 2025 – November 2025

- Built a comprehensive full-stack application to preserve the Baybayin script, featuring gamified lessons and spaced repetition algorithms. Developed analytics tools to track performance, identify learning gaps, and auto-score timed quizzes.
- Designed a scalable architecture with JWT authentication and teacher dashboards for monitoring student progress.

### Conjoint Analysis for Streaming Services | *Statistical Analysis, Logistic Regression*

November 2025 – December 2025

- Implemented a statistical analysis project to evaluate customer preferences for streaming service features.
- Led the project team and served as project manager and lead developer.
- Performed end-to-end data preprocessing, model training, and results interpretation to drive product insights.

### PnC Smart ID Verification System | *YOLO (Computer Vision), RoboFlow, Python*

November 2025 – December 2025

- Engineered a real-time computer vision system using the latest YOLO architecture to detect and authenticate University of Cabuyao (PnC) student IDs.
- Trained the model to distinguish valid university IDs from other cards with high precision.
- Implemented feature analysis to detect and extract student numbers directly from live video feeds when an ID is presented.

## EDUCATION AND ACHIEVEMENTS

### University of Cabuyao (PnC)

Cabuyao, Laguna

*Bachelor of Science in Computer Science*

Aug 2022 – Jun 2026

- Dean's Lister, 2nd Year - 1st Semester
- AWS Certified Cloud Practitioner
- Google Data Analytics Professional
- DataCamp Donates Scholar
- Competitor, 2024 UMAK .NET C# Programming Competition
- Machine Learning Engineering Program (ML.School) — Focused on End-to-End ML Pipelines
- Usher, AWS Cloud Clubs - University of Cabuyao (2024–Present) — coordinated event logistics and attendee management.

### Bigaa Integrated National High School

Cabuyao, Laguna

*ICT (Computer System Servicing)*

Oct 2019 – Jun 2021