

# CORNELIUS ARDHANI YOGA PRATAMA

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## PROFILE

Informatics Engineering graduate with GPA 3.93/4.00 and internship experience building Flask/PostgreSQL internal warehouse systems for Alfamart Supply & Distribution. Focused on backend engineering, REST APIs, SQL workflows, reliability, and business process digitalization.

## TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, Kotlin, PHP, SQL.

Backend & Databases: Flask, FastAPI, Laravel, REST API, PostgreSQL, MySQL, Supabase, SQL transactions, connection pooling, authentication/authorization.

Frontend, Mobile, & AI: SvelteKit, Tailwind CSS, Jetpack Compose, TensorFlow Lite, MobileNetV2, Google Gemini API.

Tools: Git, Docker, Google Cloud Build, Vercel, Gradle.

## EDUCATION

### UNIVERSITAS KRISTEN SATYA WACANA

Bachelor of Informatics Engineering

Cumulative GPA: 3.93/4.0

Relevant Coursework: Data Structure & Algorithm, Database System, Web Programming

Salatiga, Indonesia

Graduated June 2026

## EXPERIENCE

### PT Sumber Alfaria Trijaya, Tbk (Alfamart)

IT Development Intern – Supply & Distribution Division

Tangerang, Indonesia

September 2025 – Present

- Developed Flask/PostgreSQL internal warehouse systems for stock opname, picking, and supplier-return workflows across Alfamart Supply & Distribution operations.
- Built REST APIs, SQL transaction logic, PostgreSQL connection pooling, gateway synchronization, authentication/authorization, multilingual support, and PDA/mobile-oriented workflow handling.
- Supported QA/live production delivery for SO DC PDA dan PDT Picking, while developing ongoing supplier-return backend modules involving Oracle-to-PostgreSQL migration and dual authorization.

### Teaching Assistant

Informatics Engineering

Salatiga, Indonesia

August 2023 – July 2025

- Mentored 100+ students per semester across core computer science courses including Data Structures, Web Programming, Database Systems, and Artificial Intelligence.
- Assisted lecturers in preparing lab modules, evaluating programming assignments, and guiding students through technical problem solving.

### FIT Competition 2024

Committee Chairman

Salatiga, Indonesia

March 2024 – August 2024

- Led a 50-member organizing committee delivering a national seminar and international coding competition.
- Coordinated judges, sponsors, participants, and committee divisions across planning, execution, and post-event follow-up.

## PROJECTS

### CZmoneY — Personal Finance PWA

SvelteKit • TypeScript • Supabase • Gemini AI • Redis • IndexedDB • Vercel

October 2025 – Present

- Built an offline-first personal finance PWA for transaction tracking, budgeting, reporting, CSV/PDF export, and AI-assisted insights.
- Implemented transaction queueing with IndexedDB, service-worker caching, reconnect sync behavior, and idempotency safeguards to reduce duplicate-write risk during network retries.
- Integrated Google Gemini API through server-side endpoints with validation, rate limiting/caching behavior where implemented, and Supabase Row Level Security.

### TanyaBuah — Fruit Detection Mobile App (HKI)

Kotlin • Jetpack Compose • MobileNetV2 • CameraX • TensorFlow Lite

April 2025 – February 2026

- Developed an educational Android app for fruit recognition using on-device TensorFlow Lite inference, CameraX, and Compose.
- Prepared a mobile ML workflow using MobileNetV2 transfer learning, dataset preparation scripts, model evaluation, and TFLite quantization for Android deployment.
- Registered as an Indonesian HKI computer program.

### Muncul River Tubing

Laravel • MySQL

April 2024 – April 2025

- Developed and deployed a tourism information website for a local river-tubing destination.
- System adopted by local stakeholders and operated in production for over one year.

## AWARDS

Winner — UI/UX Design Competition

Winner — 8-Hour Live Coding Championship

September 2025

June 2025