

## Contact

+62 851 5797 9575 (Mobile)  
rifkirosada7@gmail.com

[www.linkedin.com/in/rifkirosada](http://www.linkedin.com/in/rifkirosada)  
(LinkedIn)  
[rifkirosada.com/](http://rifkirosada.com/) (Portfolio)

## Top Skills

Android Development  
Kotlin  
Jetpack Compose

## Certifications

Belajar Dasar Pemrograman Web  
Belajar Membuat Aplikasi Android  
untuk Pemula  
Memulai Dasar Pemrograman untuk  
Menjadi Pengembang Software  
Belajar Dasar Git dengan GitHub  
Pengenalan ke Logika  
Pemrograman

## Honors-Awards

Speaker / Presenter - IEEE IAICT  
2025 International Conference

# Rifki Rosada

Android Engineer (AI & Mobile Edge) | Kotlin & Jetpack Compose |  
TFLite & On-Device ML Specialist  
Bandung, West Java, Indonesia

## Summary

I sit at the intersection of Native Android Engineering and Edge AI. While most mobile developers struggle to integrate Machine Learning models, and most Data Scientists cannot build production-grade mobile UIs, I bridge that gap.

I specialize in deploying heavy Deep Learning models (YOLO, TFLite) onto Android devices (Kotlin, Jetpack Compose) ensuring they run in real-time with low latency.

### Core Value:

- Mobile Engineering: Expert in Modern Android (Compose, Coroutines, Clean Architecture).
- Edge AI: Proven track record of optimizing computer vision models for mobile hardware (IEEE Published Author on YOLO variants).
- End-to-End Delivery: Full lifecycle experience from model training (Python) to building signed, production-ready APKs for client deployment.

I am looking for remote contracts where I can help engineering teams deploy AI directly to user devices, reducing server costs and improving offline capabilities.

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## Experience

### PT Svara Inovasi Indonesia (SVARA)

Android Developer  
October 2025 - Present (2 months)  
Sukajadi, West Java, Indonesia

- Legacy Code Modernization: Tasked with maintaining and stabilizing the core 'Svara-Android' codebase (Java/XML), ensuring continued stability for existing user bases.

- Feature Engineering: Refactored dynamic UI logic for the 'Talentid' application, implementing persistent local storage (SharedPreferences) to enable robust offline-first functionality.
- Bug Resolution: Diagnosed and resolved critical production bugs in the navigation drawer and state management systems, directly improving app retention.

## Independent Consultant

### Android AI Engineer

October 2025 - Present (2 months)

Indonesia

Delivered a production-grade Android application integrating on-device Machine Learning to classify tea leaf diseases for an agricultural client.

#### Technical Challenges Solved:

1. TFLite Optimization: Rescued a failing ML integration by diagnosing and fixing a critical tensor shape mismatch in the pre-processing pipeline (Bitmap normalization), allowing the model to run with 99% accuracy.
2. Modern UI Implementation: Built a responsive data visualization dashboard using Jetpack Compose to render real-time classification confidence levels.
3. Client Management: Managed the full SDLC from requirement gathering to final APK delivery and technical documentation.

## Telkom Indonesia

### Test Engineer Trainee

July 2025 - July 2025 (1 month)

Gegerkalong, Bandung, West Java, Indonesia

- Executed high-precision calibration and performance testing on enterprise telecommunication hardware.
- Analyzed signal data to identify anomalies, ensuring strict adherence to Quality Assurance (QA) protocols.

## Cyber Physical System Laboratory

### Research Assistant

August 2023 - May 2025 (1 year 10 months)

Bandung, West Java, Indonesia

- Developed full-stack Internet of Things (IoT) prototypes, integrating embedded systems (Arduino, ESP32) with cloud data platforms (Thingspeak, Blynk).

- Engineered data pipelines to stream sensor data from hardware to web and mobile applications for real-time monitoring and visualization.
- Designed and built front-end web interfaces for data dashboards and developed real-time data visualization dashboards using Web Technologies.

## PT. PILAR TIMUR TEKNOLOGI (DIGITAL OASIS)

Android Developer

July 2024 - September 2024 (3 months)

Sukajadi, West Java, Indonesia

- Implemented core NFC functionality to enable seamless, contactless data exchange in a client-facing mobile application.
- Redesigned the payment history dashboard, improving UI/UX to create a more intuitive and readable data-heavy interface.
- Applied strong UI/UX principles to refine visual components across multiple applications, ensuring a consistent and modern user experience.

## Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka

Mobile Engineering Fellow (Android)

February 2024 - July 2024 (6 months)

West Java, Indonesia

Selected as a Mobile Engineering Fellow in a prestigious Google-led career program (accepted top ~10% of 45,000+ applicants).

- Capstone Project: Co-developed "Centing" (AI-Powered Stunting Prevention), integrating Cloud-hosted AI models via REST APIs into a Native Android client.
- Collaborative Engineering: Worked in a cross-functional team of 7 (Cloud, ML, Mobile), simulating a professional agile environment with Git-based workflows.
- Performance: Completed the 900-hour intensive curriculum with an 'A' grade average, specializing in Modern Android Development (Jetpack Compose).

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## Education

Telkom University

Bachelor of Engineering - BE, Telecommunications Engineering · (September 2021 - July 2025)