

# Romi Jatmiko

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I am a fresh graduate in Informatics Engineering with a main focus on mobile application development. I specialize in Android Development, proficient in Kotlin programming language, and have built 4 applications using MVVM architecture. I also have supporting experience in backend development using Node.js, database management including MongoDB, PostgreSQL, and Firebase Firestore, as well as web development using React.js

## EDUCATION

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### UIN SUNAN GUNUNG DJATI - BANDUNG

2020-2025

#### S1 Informatics Engineering | GPA : 3.71 | S.T

- Thesis: "Foreign and Regional Loanword Recognition Application Based on Conversation Results"

## COMPLETED PROJECTS

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### • Loanword Recognition Application (Fullstack)

- Developed an Android application using Kotlin.
- Key features include: loanword detection from voice input, notifications, login & registration (Firebase Auth), voice recording, and CRUD operations.
- Backend: Node.js with Express.js for routing and database connections.
- Machine learning model developed with Flask, achieving 79% model accuracy.

### • Batik Discover - Batik Pattern Detection Application (Frontend)

- Designed and built user interface (UI).
- Performed UI slicing from static designs to functional Kotlin-based components.
- Implemented login and registration features using Firebase Authentication.
- Collaborated with backend and machine learning teams for feature synchronization and data flow integration.

## EXPERIENCE

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### • Bangkit Academy: Android Learning Path Cohort 2023 Batch 2

2023-2024

- Studied Android Development through Dicoding courses (Beginner to Intermediate).
- Mastered Room Database usage for local storage.
- Applied Retrofit for API integration and management.
- Utilized Firebase for authentication and cloud data storage.
- Built applications using MVVM architecture.
- Contributed to the final project "Batik Discover" as an Android Developer.
- Collaborated in a multidisciplinary team to complete the project.
- Enhanced soft skills including communication, time management, and problem-solving.

## SKILLS & EXPERTISE

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### • Kotlin

- Applied MVVM architecture in Android application development.
- Used ViewModel for data management and component lifecycle.
- Implemented Room Database for local data storage.
- Handled API integration using Retrofit.
- Managed notifications in Android applications.
- Performed application performance optimization for better responsiveness.

### • Node Js

- Built RESTful APIs using Hapi.js and Express.js.
- Integrated applications with NoSQL databases such as MongoDB and Firebase.
- Used SQL databases like PostgreSQL for data management.
- Implemented CRUD operations (Create, Read, Update, Delete) across various endpoints.
- Understanding API structure and workflow for frontend-backend communication.

### • Git Management

- Used Git for version control in project development.
- Managed repositories on GitHub, including push, pull, and merge operations.
- Understanding branch concepts and effective branch management.
- Used tags to mark important versions in repositories.
- Applied efficient Git workflows for team collaboration.