

# NATANAEL EDWARD AGUNG

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Yogyakarta, Indonesia

I am a fresh graduate in Informatics from Immanuel Christian University with a strong passion for fullstack and backend development. I have hands-on experience using Laravel, Django, and React, as well as expertise in Cloud Computing (Google Cloud Platform) through the Bangkit Academy program by Google, GoTo, and Traveloka.

## Education

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### Universitas Kristen Immanuel - Yogyakarta, Indonesia

Aug 2021 - Aug 2025

Bachelor of Informatics, 3.72/4.00

- Assistant Lecturer Of English Informatics 2023
- Mentor, Programming Study 2022-2023
- Member, Fun English Club 2022

## Experiences & Projects

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### Bangkit Academy 2024 By Google, GoTo, Traveloka

Feb 2024 - Jul 2024

Cloud Computing Cohort & Capstone Project (HerbaGuide)

- Completed national Cloud Computing program focusing on backend and GCP services.
- Designed and deployed FastAPI backend on Cloud Run, integrated with Firestore and Cloud Storage.
- Collaborated with ML and mobile teams to deliver the HerbaGuide herbal plant recognition app.

### Sensasi Scholarship Platform

Nov 2023 - Feb 2024

Web Developer (Laravel)

- Developed a scholarship management platform for Yayasan Obor Emas Indonesia.
- Contributed to backend and frontend development for student registration, form submission, and admin dashboards.
- Enhanced data validation, reducing input errors and improving reliability for scholarship applications.

### Universitas Kristen Immanuel - Yogyakarta, Indonesia

Jun 2023 - Dec 2023

Backend Programmer - Restaurant System Project

- Developed a Django-based system with SQLite3, handling CRUD for menus/transactions and role-based auth for 3 user types.
- Built authentication, authorization, and error handling for Admin, Cashier, and Customer roles.
- Improved efficiency by implementing PDF reporting, reducing manual admin work by ~70% in simulations.

### Hospital Efficiency Forecasting using LSTM

Aug 2024 - Jul 2025

Thesis Project

- Developed LSTM-based forecasting models to analyze hospital efficiency indicators (BOR, AVLOS, TOI, BTO, GDR, NDR).
- Implemented multi-step LSTM architectures, achieving ~75% predictive accuracy.
- Designed preprocessing pipelines (smoothing, normalization) and visualized results using Matplotlib and Seaborn.

## Organisational Experience

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### Programming Study Club

Jul 2022 - Mar 2023

Mentor

Programming Study Club is one of the Student Activity Units at Immanuel Christian University that focuses on students with an interest in programming.

- Taught Python programming fundamentals to 30+ students.
- Contributed to improving the club's technical workshops and collaborative learning environment.

## Skills, Achievements & Other Experience

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- Achievements** (2022): Achieved 1st Place in the Programming Competition Cre A Science 8.0 at Immanuel Christian University.
- Hard Skills**: Laravel, Django, React, Flask, Node.js, REST API, Git, MySQL, PostgreSQL, Firebase, Google Cloud Platform (Cloud Run, Firestore, App Engine), Docker, Python, PHP, Java, JavaScript, SQL, HTML, CSS
- Soft Skills**: Leadership, Communication, Collaborative Team Player, Adaptive, Critical Thinking, Strong Analytical Skills, Able to Work Under Pressure.