

# MOHAMMAD KAMAL NAWAF

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## EDUCATION

Institut Teknologi Sepuluh Nopember

Aug 2021 - Aug 2025

B.Sc. | Informatics

Surabaya, Indonesia

**Relevant Coursework:** Data Structure, Algorithm Design and Analysis, Linear Algebra, Software Design, Web Programming, Mobile Programming, Database Management, Computer Networking, Network Programming, Information Security, Digital Forensic, Machine Learning, Computer Animation and 3D Modeling.

## EXPERIENCE

AI Trainer - Indonesian Language Specialist

Aug 2025 - Present

Invincible Technologies

New York, USA (Remote)

- Annotate and label a wide range of linguistic and visual data in Indonesian and English to support the training and evaluation of Large Language Models (LLMs).
- Evaluate model-generated outputs in Indonesian, assessing grammar, semantics, and personalization.
- Annotated and processed large volumes of data consistently over extended periods while meeting the accepted average handling time.

Mobile Developer

June 2024 - Aug 2024

Direktorat Pengembangan Teknologi dan Sistem Informasi

Surabaya, Indonesia

- Migrated the codebase of the "MyITS Office" Android app from Java to Kotlin, improving code readability and maintainability.
- Collaborated closely with a fellow developer to coordinate migration tasks, resolve technical challenges.
- Updated and modernized the user interface.
- Delivered comprehensive documentation for future maintainers, covering architecture decisions and migration steps.

## PROJECT EXPERIENCES

**Sundanese Script Optical Character Recognition (OCR) | (Python, Pytorch, YOLO, Sklearn, Flask)**

[Github Repository](#) | [Demo](#)

- Built an integrated web application that accepts images of Sundanese script and outputs the transliterated Latin text by combining object detection and NLP models in a unified pipeline.
- Trained and evaluated YOLO-based models (YOLOv8, YOLOv11, YOLOv12) to detect individual Sundanese characters. Achieving mAP up to 96% on YOLOv12 model.
- Developed a sequence-to-sequence (Seq2Seq) transliteration model using LSTM to convert Sundanese script into Latin text.
- Created a custom Sundanese script dataset for object detection tasks.

**Cuaca App | (Javascript, React, NextJS)**

[Github Repository](#)

- Developed a responsive web application to display real-time weather information
- Integrated BMKG weather API for accurate and up-to-date data
- Designed an intuitive and visually appealing interface for enhanced user experience

## SKILLS

**Software:** PyTorch, OpenCV, Git, Neovim, Flask, React, NextJS, FastAPI, Sklearn, FastAPI, React Native

**Programming Languages:** Python, JavaScript, Java, Kotlin

**Markup:** LaTeX, Typst, Markdown, HTML

**Languages:** Indonesian, English, Sundanese