AHLUL FADHLY

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Summary

Tech enthusiast specializing in computer vision and AI, with a strong ability to build scalable and efficient solutions. Skilled in Python, machine learning, Google Cloud engineering, and experienced in React.js, Laravel, Kotlin, and Flutter. Highly motivated to advance innovation in the field of artificial intelligence.

Education

Universitas Pembangunan Nasional Veteran Yogyakarta - Indonesia
Bachelor, Informatics | GPA : 3.52 | 2021 – 2025

Final Project

Implementation of the You Only Look Once (YOLOv8) Algorithm and Peter Norvig's Spelling Correction for Translating Handwritten Braille

- Achieved 96.2% precision, 98.4% recall, and 98.1% mAP50 using YOLOv8
- Improved translation accuracy by +40% using Peter Norvig's Spelling Correction (final accuracy: 90.5%).
- Detection stable under low-light conditions (up to 60% darker) and optimal at 10–20 cm distance.
- Enabled multi-object Braille detection with significant performance improvement (+5–10% compared to previous methods).
- Technologies: Python, YOLOv8, CNN, OpenCV, Streamlit.

Experience And Organization

Bangkit Academy By Google, Goto, Traveloka
Cloud Computing Intern | Jakarta, Indonesia | February 2024 - June 2024

Developed cloud computing skills through intensive training, culminating in a final project that successfully integrated an Android application with cloud-hosted machine learning model, improving data processing.

- Developed an integration system between an Android application and a cloud-based machine learning model, implementing user authentication to enhance application security.
- Optimizing cloud architecture that improves model performance and ensures scalability in production environments after completing intensive cloud computing training.

Information Technology Club (ITC)
Front-End Web Developer | Sleman, Yogyakarta | 2022 - 2023

ITC is a campus-based learning community focused on exploring advanced programming languages beyond the standard curriculum. As a Front-End Web Developer, I played a key role in designing and optimizing user interfaces for various web and application projects.

- Designed responsive user interfaces for a campus programming community through optimized front-end development and interactive web experiences.
- Implemented UI/UX mockups into functional web pages with responsive design principles, ensuring seamless cross-device compatibility and improved website performance.

Skills

Programming

- Web Development (React.js, Laravel)
- Database (SQL, Firestore)
- Programming (C++/C, Java, Python, R, PHP)
- Mobile Development (Kotlin, Flutter)

Certificate And Trainings

Certificate

Junior Web Programmer - Pengembangan Website Web Development
Badan Nasional Sertifikasi Profesi | Issued 30 January 2024 – Expires 30 January 2027

Trainings

- Learning Machine Learning Implementation with Google Cloud • PT. Dicoding Indonesia • May 24, 2024
- Becoming a Google Cloud Engineer • PT. Dicoding Indonesia • May 16, 2024
- Learning to Build Back-End Applications for Beginners with Google Cloud • PT. Dicoding Indonesia • May 8, 2024
- Learning Basic JavaScript Programming • PT. Dicoding Indonesia • April 23, 2024
- Build Infrastructure with Terraform on Google Cloud • Google Cloud Skills Boost • April 19, 2024
- Set up and Configure a Cloud Environment in Google Cloud • Google Cloud Skills Boost • April 18, 2024
- Build and Secure Networks in Google Cloud • Google Cloud Skills Boost • March 13, 2024
- Learn Web Programming Basics • PT. Dicoding Indonesia • March 3, 2024
- The Bits and Bytes of Computer Networking • Coursera • Feb 26, 2024
- System Administration and IT Infrastructure Services • Coursera • Feb 24, 2024