Muhammad Alifiansyah Firdaus

+6285117552659 | alifiansyahfkp@gmail.com | github.com/alifiansya | mikanmiru.my.id

PROFILE

Bachelor's in Computer Engineering from Universitas Brawijaya with a focus on AIoT, Machine Learning, and Back-End Development. Skilled in RESTful APIs, Cloud deployment, and scalable web services. Currently working as a Software Automation Engineer (RPA Developer), automating repetitive tasks such as data input and system integrations.

EDUCATION

Bachelor of Engineering (Computer Engineering), Computer Science Faculty
Universitas Brawijaya - Malang (8/2021 - 1/2025) | GPA: 3.74

SKILLS

- Programming: C++ (IoT), Python, JavaScript, Java
- ML/AI: Sklearn, TensorFlow
- Front-End: React, TailwindCSS
- Back-End: Node.js, Express.js, Spring, GCP
- RPA: Cyclone Robotics, UiPath
- Database: PostgreSQL, Supabase
- Japanese: JLPT N2 Certified
- English: ETS TOEFL ITP (590)

EXPERIENCE

RPA Developer – PT. Solusi Aplikasi Integrasi (Nov 2025 – Present)

- Automated insurance claim workflows to reduce manual errors and processing time from 5 days to 10 hours.
- Gathered requirements and clarified business needs directly with stakeholders
- Coordinated with client technical teams to obtain database dumps, server access, and required system configurations.
- Communicated progress and presented the final solution to clients in a clear, non-technical manner.

Bangkit Machine Learning Cohort, Internship - PT Dicoding Akademi Indonesia (Feb 2024 - Jul 2024)

Team GitHub: github.com/ATongs

- Leveraged TensorFlow for deep learning, focusing on computer vision tasks.
- Collaborated with the Cloud team to deploy the trained model on Google Cloud Platform (GCP) for integration into the ATongs mobile app.
- Built a waste classification model using ResNet50V2 with transfer learning, adapting a pretrained network to a custom waste dataset and achieved 93% accuracy.

PROJECTS

Insurance Claim Automation System – PT. Solusi Aplikasi Integrasi (Nov 2025 – Present)

- Built an Cyclone automation system that maps service names between two different web platforms using fuzzy matching and validates the data before submitting it to the insurance claim system.
- Implemented web-scraping, Python preprocessing, and automated SQL operations to streamline claim processing with minimal manual work.

Lonely Death Monitoring - FILKOM UB (Oct 2024 - Dec 2024)

Project GitHub: github.com/syidzxy/LD-Monitoring

- Designed Functional Requirement Document and Circuit Design with Fritzing for the system.
- Developed the firmware program of the communication protocol with C++ to send image data from the system to central compute engine with HTTP on ESP32CAM.
- Built REST API on top of the HTTP firmware program and able to communicate with the compute gateway