

Muhammad Alifiansyah Firdaus

Indonesia, West Java

Software Engineer | Machine Learning Engineer

+6285117552659

alifiansyahfkp@gmail.com

github.com/alifiansya

linkedin.com/in/alifiansyahfkp

mikanmiru.my.id

PROFILE

Holds a Bachelor's Degree in Computer Engineering from Universitas Brawijaya, specializing in AIoT, Machine Learning, and Back-End Development. Skilled in modern web technologies including the BASE stack (Bun, Astro, Supabase, Elysia.js), RESTful APIs, and cloud deployment with TensorFlow on GCP.

Combines a strong technical foundation with hands-on project experience in IoT prototyping, data modeling, and scalable web services. Collaborative and adaptable in diverse teams and passionate about applying technology to solve real-world problems.

EDUCATION

Brawijaya University

Bachelor of Engineering (Computer Engineering),
Computer Science Faculty

August 2021 - January 2025

GPA: 3.74

SKILLS

- Programming: C++ (IoT), Python, JavaScript
- Front-End: Astro, React, TailwindCSS
- Back-End: Node.js, Express.js, Bun, Elysia.js
- Database: PostgreSQL, Supabase
- ML/AI: Sklearn, TensorFlow
- Japanese: JLPT N3 certified; N2 (score report)
- English: ETS TOEFL ITP (590)

ACHIEVEMENT

PIMNAS 36 Participant

Puspresnas

November 2023

- Selected as one of 525 finalist teams at PIMNAS 36, representing Universitas Brawijaya.
- Developed the iSleepSmartband module (KNN + edge computing, Firebase RTDB).
- Contributed to a multi-device AI system enabling real-time monitoring for insomnia rehabilitation.

CERTIFICATIONS & PROJECTS

Back-End Application Development

Dicoding

November 2022 - December 2022

- Learned Node.js and RESTful API architecture.
- Deployed and tested web services using Postman.
- Completed 45 hours of intensive training.

Dev Certified for Machine Learning with TensorFlow

dev.id

December 2024

- Demonstrated TensorFlow ML skills: neural networks, computer vision, NLP, and time series forecasting.
- Completed a 5-hour intensive assessment.

Portfolio Website

Self-project

July 2025 - August 2025

Project GitHub: github.com/alifiansya/portfolio-astro

- Built a portfolio with Astro, TailwindCSS, Node.js, and Gemini AI, deployed on Vercel.
- Integrated chatbot for interactive Q&A about me and GitHub CI/CD for automated deployment.

EXPERIENCES

Advanced Programming Practicum Assistant

FILKOM UB

August 2023 - December 2023

- Guided 30 Computer Engineering peers in learning Python programming.
- Taught concepts including OOP, threading, GUI development, and client-server communication.

Machine Learning Cohort Member

Bangkit Academy 2024

February 2024 - July 2024

Team GitHub: github.com/ATongs

- Completed a comprehensive ML learning path covering supervised learning, deep learning, and deployment.
- Developed a waste classifier model using TensorFlow for the waste management app ATongs.
- Deployed on GCP, enabling integration with a mobile app for scalable waste management solutions.