

IFFO ELSANDE PRATAMA PUTRA

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Professional Summary

Fresh graduate of Informatic Engineering with experience in software development, machine learning, and web-based systems. Familiar with designing, implementing, and testing end-to-end technology solutions. Have strong analytical skills, quickly adapt to new technologies, and are interested in research and development of systems to support innovation in the IT field.

Education

State University Of Surabaya

S1 Information Engineering

Surabaya, East Java

August 2021-January 2026

- Grade Point Average: 3.85 / 4.00
- Thesis : DoS attack classification Model on Blockchain network using PPO algorithm
- Relevant courses: Data Science, Machine Learning, Software Engineering, algorithms, and Data Structures.

Pengalaman

Cons Code

Freelance – Machine Learning Engineer

Surabaya, Jawa Timur

Juli 2024 – Sekarang

- Designing and developing Python-based solutions for client analysis and prediction needs
- Build automated data cleaning and preprocessing flows tailored to client datasets to improve system efficiency
- Designing arsitektur workflow scalable end-to-end workflow architectures to support client production and deployment needs

PT Radnet Digital Indonesia

internship-Web Developer Intern

Surabaya, East Java

October 2024-January 2025

- Developing websites for MSMEs using Django framework
- Be a speaker in a webinar related to website development
- Learn and implement the basics of the Linux operating system

PT Kinema Systrans Multimedia

AI Engineering Intern – Program AI Lanjutan IBM

Batam, Riau

Februari 2024 – Juni 2024

(Studi Independen)

- Contribute to the development and deployment of generative AI models for commercial use.
- Apply AI governance principles, data management with Watsonx.data, and cybersecurity best practices.
- Build and evaluate deep learning models using TensorFlow and PyTorch.

skills and expertise

1. Programming:

Python, JavaScript, HTML, CSS, Java, C++

2. Framework:

Django, Flask, Streamlit, FastAPI (RESTful API)

3. Data & AI tools:

SQL, TensorFlow, PyTorch, Scikit-Learn, Ilmu Data, Pembelajaran Mesin, Pembelajaran Mendalam

4. Tools & Technology:

Git, Docker

5. Soft Skill:

Analytical Thinking, Structured Problem Solving, Technical Communication, Adaptive Learning

Selected Projects

1. **Development of DoS attack detection systems on blockchains using PPOs**
developing and evaluating Proximal Policy Optimization (PPO) based models to detect and classify Denial-of-Service attacks on blockchain networks, improving detection accuracy and response efficiency.
2. **Disease detection in tomato plants**
developed an image classification model using TensorFlow and TensorFlow Hub, utilizing the pretrained ResNet-v2 architecture to classify tomato plant disease images into categories.
3. **Classification of Used Goods**
manually collects image data from multiple online sources, performs pre-processing by resizing objects and removing backgrounds, enhances datasets using Roboflow, and deploys the final model via the Roboflow API for real-time demonstration.
4. **The Diabetes classification system**
designs and implements Random Forest and MLP models to classify diabetes cases based on patient data. Evaluate performance using accuracy, precision, memory, F1 score, and AUC-ROC metrics to ensure robust model generalization.

Organizational Experience

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| Pkkmb Faculty of Engineering 2023
Volunteer-Discipline Commission <ul style="list-style-type: none">• Enforce faculty regulations and conduct disciplinary hearings. | of Surabaya State University
August 2023 |
| Pkkmb Faculty of Engineering 2022
Volunteer-person in charge <ul style="list-style-type: none">• guide and mentor new students during academic orientation sessions. | of Surabaya State University Group
August 2022 |

Courses & Training

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|---|--|
| Dicoding Indonesia <ul style="list-style-type: none">• Basic Data Science and machine learning | Bandung, West Java
January 2024 |
| PT Kinema Systrans Multimedia <ul style="list-style-type: none">• IBM Advanced AI Academy: AI Generatif, Tata Kelola AI, Watsonx.data, Cybersecurity, and deep learning foundations. | Batam, Riau
Februari 2024 – Juni 2024 |