

Arrafi Aji Pamungkas

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Professional Summary

Detailed-oriented Machine Learning and Cloud Engineer with proven experience in data science, full-stack development, and cloud infrastructure. Demonstrates strong capabilities in machine learning model development, and scalable system architecture. Backed by multiple professional certifications in AI, data science, and cloud computing, showcasing both technical depth and continuous learning. Committed to delivering efficient, reliable, and data-driven solutions through analytical thinking, collaboration, and technical excellence.

Education

University of Multimedia Nusantara

2021 - 2025

Informatics Major, Faculty of Informatics and Engineering Bachelor's Degree, S-I

- GPA: 3.61/4.00

Work Experience

Machine Learning Engineer - Freelance

May 2025 - Dec 2025

- Designed and developed multiple machine learning models for text classification.
- Performed comprehensive data preprocessing, including text cleaning, tokenization, stopword removal, and word embedding (Word2Vec, GloVe).
- Applied feature extraction techniques such as TF-IDF and n-grams to improve text representation quality.
- Implemented and optimized models using CNN (Deep Learning) and SVM (Classical Machine Learning) with TensorFlow and scikit-learn frameworks.
- Conducted hyperparameter tuning, oversampling, and weighted loss adjustments to address dataset imbalance and enhance accuracy.
- Evaluated models using standard metrics (accuracy, precision, recall, F1-score, confusion matrix) and visualized performance results.
- Documented complete project pipelines and provided technical reports.

Software Engineer Intern - PT. Gajah Tunggal Tbk.

Juli 2024 - Desember 2024

- Developed an Android-based QR barcode system using Flutter and PHP to streamline factory operations.
- Built and deployed RESTful APIs using Golang for production system integration.
- Managed development tasks using Kanban for project tracking and sprint planning.
- Collaborated with cross-functional teams to refine UI/UX and align solutions with business needs.

Certification and Training

Oracle AI Foundations Associate

Oracle Cloud Infrastructure Search AI Vector Professional

Oracle Cloud Infrastructure Generative AI Professional

Oracle Cloud Infrastructure Data Science Professional

Aws Cloud Quest : Cloud Practitioner

AWS Cloud Self-Learning Certification

RevoU x AWS Cloud Engineer

Skills

Bahasa Pemrograman: Python, Dart-Flutter, Golang, React, PHP

Frameworks: Python libraries such as pandas, TensorFlow, scikit-learn, etc

Tools: VS Code, Git, Jupyter

Techniques: CNN, SVM, TF-IDF, Word2Vec, GloVe, Oversampling, Weighted Loss, Hyperparameter Tuning

Concepts: Machine Learning, Deep Learning, NLP, Model Evaluation, RESTful API, Data Preprocessing, Data Analyst