

Rifqi Anshari Rasyid

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Instrumentation Physics graduate with strong interest in data science, AI/ML engineering, and web development. Experienced in processing, analyzing, and visualizing data, building end-to-end AI and Machine Learning, and developing full-stack web application.

Educations

Universitas Indonesia – Depok, West Java Jul 2019 – Jan 2024

Bachelor of Science in Instrumentation Physics, GPA: 3.50/4.00

- Relevant Coursework: Computational Physics, Electronics, Digital Signal Processing, Computer-Based Data Acquisition, Control Systems, Embedded Systems, Sensors and Actuators
- Thesis: Design and Development of a Non-Invasive Vital Signs Monitoring System (Heart Rate, Body Temperature, Respiratory Rate) on an IoT-Based Wheelchair

dibimbing.id – Online Jun 2025 – Dec 2025

AI & Machine Learning Engineer, Score: 97.29/100.00

- Coursework: Python, SQL/NoSQL, Statistics, Data Preparation, Exploratory Data Analysis, Machine Learning, Deep Learning, Generative AI, MLOps
- Final project: AI-Powered YouTube Spam Comment Remover
- Awards: Best Final Project, Most Valuable Person (MVP)

Professional Experience

PT Sugitama Intiarto – Tangerang, Banten Jun 2022 – Jul 2022

PLC Programmer Intern

- Developed Schneider Electric PLC and HMI system for a wafer machine (creaming, stacking, stamping stages) and a PID-controlled boiler machine.
- Final project: PLC and HMI design for a Flat Wafer Cream Spreader Machine using Ladder Diagram, Schneider PLC/HMI

Organizational Experience

Universitas Indonesia Robotics Team – Depok, West Java Mar 2020 – Mar 2021

Mechanical Division, KRSBI Beroda

- Engineered and maintained mechanical systems for keeper and striker robots
- Participated in the 2021 Indonesian Robot Contest (KRI 2021)

Projects

AI-Powered Public Complaint System (LaporMas)

- Web app public complaint platform integrated with fine-tuned IndoBERT models for automated spam detection and complaint classification.

- Tech stack: Python, HTML, CSS, JavaScript, FastAPI, SQLAlchemy, SQLAlchemyAdmin, PostgreSQL, PyTorch, Hugging Face Transformers, ONNX Runtime, Docker, AWS Lightsail

RAG for PDF Question Answering

- Local web app RAG application for querying PDF documents.
- Tech stack: Python, HTML, CSS, JavaScript, FastAPI, LangChain, LangGraph, PyMuPDF, Sentence Transformers, Qdrant, Docker

AI-Powered YouTube Spam Comment Remover

- Desktop application for detecting and removing YouTube spam comments using a fine-tuned In-
doBERT model and authenticated YouTube API integration.
- Tech stack: Python, Tkinter, PyInstaller, PyTorch, Hugging Face Transformers, ONNX Runtime, YouTube Data API

End-to-End MLOps Pipeline for Classification Model

- End-to-end MLOps pipeline demonstrating production-oriented practices across data preprocess-
ing, model training, evaluation, inference, monitoring, and deployment.
- Tech stack: Python, Pandas, scikit-learn, MLflow, Evidently AI, Docker

AI-Powered Meeting Transcriber

- CLI application for meeting transcription and summarization, combining Whisper-based speech
recognition with a PEFT LoRA fine-tuned T5 model for generating summaries.
- Tech stack: Python, PyTorch, Whisper, Hugging Face Transformers, PEFT (LoRA), Docker

Skills

- **Prog. languages:** Python, SQL, JavaScript, C++, MATLAB, HTML, CSS, LaTeX
- **AI/ML & Data Science:** NumPy, Pandas, Matplotlib, scikit-learn, OpenCV, YOLO, PyTorch, Sentence Transformers, Hugging Face Transformers, PEFT (LoRA/QLoRA), ONNX Runtime, LangChain, LangGraph, MLflow, Evidently AI
- **Backend:** FastAPI, Pydantic, SQLAlchemy, SQLAlchemyAdmin
- **Cloud & DevOps:** AWS (EC2, S3, RDS, Lightsail), Docker, GitHub Actions
- **Databases:** SQLite, PostgreSQL, Qdrant
- **Tools:** Git, VS Code, Jupyter Notebook, Postman, DBeaver, Microsoft Office
- **Languages:** Indonesian, English

Certifications

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| • Alibaba Cloud Certified Associate | Aug 2024 |
| • Microsoft Certified: Azure Fundamentals | Jun 2025 |
| • AWS Certified Cloud Practitioner | Jul 2026 |