

Dery Ferdika Oktoriansah

Malang, Indonesia | [Gmail](#) | [LinkedIn](#) | [GitHub](#)

EDUCATION

Universitas Negeri Malang
Bachelor of Science in Mathematics

Malang, Indonesia

EXPERIENCE

LLM Module Learning Developer

Oct. 2025 – Dec. 2025

Binar Academy

Jakarta, Indonesia / Remote

- Architected 10 out of 18 core AI Engineering modules, ensuring full compliance with Ministry of Communication and Digital (Komdigi) standards, by structuring end-to-end learning pathways from mathematical foundations to production-grade LLMOps.
- Engineered practical training pipelines and infrastructure labs to simulate real-world AI deployment, by integrating advanced frameworks including LangGraph for RAG agents, vLLM for inference, and OWASP-based red-teaming protocols.
- Collaborated with fellow learning developers to standardize the technical evaluation framework, by designing interactive quizzes, hands-on assignments, and a comprehensive final capstone project.

Data Scientist Project Based Intern

Jun. 2025 – Jul. 2025

Home Credit Indonesia (via Rakamin Academy)

Remote

- Engineered a credit scoring classification system to predict loan default risk, performing end-to-end feature engineering on the highly imbalanced `application_train` dataset.
- Evaluated 5 machine learning models (CatBoost, XGBoost, Random Forest, Logistic Regression, Decision Tree), achieving the best performance with CatBoost at a 0.741 ROC-AUC score.
- Generated data-driven business recommendations based on Exploratory Data Analysis (EDA) and feature importance, translating complex model outputs into actionable credit risk mitigation strategies.

Data Analytics Intern (Kampus Merdeka)

Feb. 2023 – Jun. 2023

Zenius

Remote

- Led a student data team to architect a machine learning pipeline for house price prediction as a final capstone project, achieving an 85% model accuracy through rigorous data manipulation.
- Mastered the end-to-end data lifecycle using Python and SQL, effectively transitioning raw data into interactive dashboards for visual storytelling.
- Applied logical argumentation and scientific reasoning frameworks to construct structured, data-backed business essays and persuasive technical presentations.

PROJECTS

LLM Knowledge Distillation: Qwen to Phi-2 | *Python, PyTorch, Hugging Face, SFT*

Oct. 2025

- Successfully distilled logical and mathematical reasoning capabilities from a Qwen-7B teacher model into a Phi-2 student model, optimizing for high-performance inference on edge devices.
- Developed and curated a specialized 4.4K "MixMathCode" dataset, balancing complex algebraic problem-solving and Python programming logic to ensure robust knowledge transfer.
- Published the distilled model to Hugging Face, providing the open-source community with a lightweight (2.7B parameter) alternative that retains high accuracy in technical and quantitative tasks.

TECHNICAL SKILLS

Languages: Python, TypeScript, PostgreSQL

Frameworks: FastAPI, Next.js, React, Tailwind CSS, LangChain

Libraries: PyTorch, Hugging Face, Scikit-learn, OpenCV, vLLM

Developer Tools: Docker, Git, Weights & Biases, Chroma, Tavily