

ADJI DHARMAWAN INDRIANTO

AI Engineer | Data Scientist

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Recent Information Engineering graduate from Universitas Gadjah Mada specializing in AI Engineering and Data Science. 1st Place winner of Alphathon 2026 and multiple national Machine Learning competitions. Passionate about building production-grade AI systems that bridge research and real-world impact. With hands-on expertise in Generative AI (LLMs, RAG), Computer Vision, and end-to-end MLOps deployment.

HONORS & AWARDS

- 1st Place, Data Science Competition – Alphathon 2026, Data Science Indonesia and WorldQuant Brain
- 1st Place, Machine Learning Competition – Data Slayer 3.0, Telkom University Purwokerto
- 1st Place, Data Science Competition – TETI Programming Week, Universitas Gadjah Mada
- 3rd Place, Data Science Competition – Informatics Festival 2026, Universitas PGRI Semarang
- Top 10, Data Science Competition – Rumpun Penalaran 2025, BINUS University
- Finalist, Student Digital Innovation Competition – Pusat Prestasi Nasional, Kemendikbudristek RI

TECHNICAL SKILLS

- **Languages:** Python, SQL, JavaScript
- **ML / Deep Learning:** PyTorch, TensorFlow/Keras, Scikit-learn, OpenCV, Hugging Face
- **GenAI & LLM:** Vector Databases (ChromaDB), LangChain, RAG, LoRA Fine-tuning, Claude API
- **OCR & Document AI:** Tesseract, PaddleOCR, PyMuPDF, pdfplumber
- **Data & Analytics:** Pandas, NumPy, Power BI, Metabase, Advanced Excel (Power Query, Power Pivot)
- **MLOps & Cloud:** Docker, Git, FastAPI, Google Cloud Platform, Firebase, Linux

WORK EXPERIENCE

MAP Active **Central Jakarta, Jakarta**
Data and AI Engineer **September 2026 – Present**

- Building and deploying production machine learning and LLM-powered systems on enterprise cloud AI platforms, including Microsoft Azure AI Foundry and AWS Bedrock

PT PLN (Persero) **Sleman, Yogyakarta**
AI Engineer Intern **July 2026 – August 2026**

- Engineered a comprehensive **Decision Support System (DSS)** consolidating multi-domain datasets (sales, subsidies, compensations, and voltage drops), improving data accessibility for strategic planning and reducing executive reporting time by an estimated **40%**.
- Architected and integrated a **Generative AI-powered** chatbot into the **DSS dashboard** to dynamically answer complex, ad-hoc analytical queries, increasing stakeholder self-service capabilities and cutting down manual data-gathering requests by **30%**.

VIKTORI ASKARA TEKNOLOGI INDONESIA **South Jakarta, Jakarta**
AI Engineer Intern **March 2026 – May 2026**

- Architected and deployed an end-to-end **Document Intelligence Chatbot** using RAG with optimized LLM inference, serving around 150 daily internal queries and reducing document retrieval time by **35%**.
- Implemented double-layer PII sanitization pipeline ensuring **100% data privacy compliance** for sensitive financial documents; containerized the full stack with Docker for scalable deployment.
- Engineered an automated **OCR pipeline** in Python to extract unstructured data from financial documents for credit scoring models, processing 500+ documents/month with **92% extraction accuracy** and accelerating credit assessment turnaround by **40%**.

PT BERKAH INVESTASI TEKNOLOGI **Sleman, Yogyakarta**
Data Analyst Intern **December 2024 – January 2025**

- Built dynamic BI dashboards in **Power BI and Metabase**, integrating Google Analytics to monitor web traffic and financial KPIs, cutting manual reporting time by **40%**.
- Processed 10,000+ rows of financial data using Advanced Excel (Power Query, Power Pivot) and

SQL; automated cleaning workflows to ensure **100% data accuracy** for trend analysis.

- Optimized complex SQL queries powering production Metabase dashboards, reducing average execution time by **60%** (from minutes to seconds) for real-time stakeholder insights.

SELECTED PROJECTS

[DRIVER DROWSINESS DETECTION SYSTEM](#) | COMPUTER VISION AND AI RESEARCH

Tech Stack: VideoMAE V2, PyTorch, LoRA, MediaPipe

November 2025 – December 2025

- Fine-tuned **VideoMAE V2-Huge** (632M params) transformer for video-based drowsiness classification, achieving **F1-Score of 0.8795**, a +12% improvement over CNN-LSTM baseline.
- Applied **LoRA** for parameter-efficient fine-tuning, training only ~11M parameters (<2% of total) to drastically reduce GPU memory footprint while preserving accuracy.
- Integrated MediaPipe for real-time face detection and ROI cropping, optimizing inference pipeline to run on consumer-grade GPUs.

[THE ANTI-BASI: SMART FRIDGE MANAGER](#) | MOBILE AND GENAI ENGINEERING

Tech Stack: Flutter, Goggle Gemini, Firebase

December 2025 – January 2026

- Led end-to-end development of an AI-powered inventory app using Gemini Vision API for automatic food recognition from camera input, eliminating manual barcode entry.
- Architected Firebase Firestore backend for real-time inventory sync and built automated expiry-notification system via Cloud Messaging; deployed as MVP for early user testing.

EDUCATION

UNIVERSITAS GADJAH MADA | YOGYAKARTA, INDONESIA

Bachelor of Information Engineering

August 2022 – August 2026

- **Current GPA:** 3.69
- **Relevant Coursework:** Artificial Intelligence, Cloud Computing, Database System, Algorithm and Data Structure

LEADERSHIP & ACTIVITIES

DEPARTMENT OF ELECTRICAL AND INFORMATION TECHNOLOGY, UGM | YOGYAKARTA

Academic Tutor (Complex Variable Analysis)

February 2024 – July 2024

- Selected by the department to tutor 40 undergraduates in Advanced Mathematics, a core foundation for Signal Processing and Machine Learning
- Facilitated weekly problem-solving sessions that improved class average scores.

FINDIT (FUTURE INNOVATION AND DISCOVERY IT) UGM | YOGYAKARTA

Sub-Coordinator of Front End

November 2023 – April 2024

- Led a team of developers via Agile Scrum to launch the official event platform on a 6-month timeline
- Engineered a high-performance interface handling traffic from **70,000+ unique visitors** during national registration with zero critical bugs at deployment.

NIGHT LOGIN | YOGYAKARTA

Web Development Division Member

March 2023 – December 2023

- Selected to join the competitive web development division, engaging in intensive technical bootcamps on Clean Code and Frontend Architecture.
- Successfully built and deployed a final capstone web project, demonstrating proficiency in responsive design and modern JavaScript best practices.

CERTIFICATION

- Dive Deeper into GA4 Data and Reports – Google Skillshop
- AWS Academy Cloud Foundations – Amazon Web Service
- Getting Started with Linux Fundamentals – Red Hat
- Advanced SQL - Hackerrank