ARIF ATHAYA HARAHAP

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SUMMARY

Informatics Engineering undergraduate specializing in Full Stack Development and Advanced AI. Proven experience taking projects from concept to production on platforms like Google Cloud Run and Vercel. Technical expertise includes fine-tuning LLMs with custom datasets and optimizing Deep Learning architectures (modifying RepViT/YOLO) for high-performance inference. Versatile engineer skilled in building scalable web systems, blockchain solutions, and predictive machine learning models.

WORK EXPERIENCE

Artificial Intelligence Talent Factory KOMDIGI   **2025 August - 2025 December (Expected)**
- Engaged in an intensive program focused on developing practical as a LLM Model Engineer, AI-driven solutions for real world challenges provided by KOMDIGI.
- Managed the complete, end-to-end machine learning project lifecycle, including:
  - **Dataset Collecting:** Sourcing, cleaning, and preparing data for model training.
  - **Model Development:** Performing base model pre-training and subsequent fine-tuning to meet project specifications.
  - **Accuracy Testing:** Conducting rigorous testing and validation to ensure model performance and reliability.
  - **Model Deploying:** Successfully deploying the finalized AI solution.
- Developed and presented the comprehensive AI solution and its potential impact to program key stakeholders.

EDUCATION

University of Brawijaya | Informatics Engineering Major (GPA: 3.82/4.00)   **2023 - 2027 (Expected)**
- **Advanced AI & Machine Learning**
  - **Real-Time Drowsiness Detector:** Architected a high-speed detection system by fine-tuning YOLO and structurally modifying the RepViT architecture blocks, achieving superior accuracy and faster inference times.
  - **Domain-Specific LLM Fine-Tuning:** End-to-end development involving raw dataset creation and fine-tuning of Large Language Models to adapt to specific industry domains.
  - **AI Itinerary Agent:** Engineered and deployed the complete backend for an AI agent on Google Cloud Run, designed to generate personalized travel plans based on user preferences.
- **Full Stack & Web Applications**
  - **Institutional Web Systems (Team Lead/Member):** Collaborated to develop and deploy multiple utility systems live on Vercel, including:
    - Room Booking System: A comprehensive platform for managing facility reservations.
    - Lost and Found System: A centralized tracking tool for reporting and recovering items.
  - **Link Shortener:** Built a standalone full-stack web application to create, manage, and track shortened URLs efficiently.

SKILLS

- **Technical Skills:**
  - **Languages:** Python, Golang, Java, HTML/CSS
  - **AI/ML:** TensorFlow, Keras, PyTorch, Scikit-learn, Pandas, NumPy
  - **Cloud & Tools:** GCP, AWS, GIT, Supabase
  - **Frameworks:** Gin (Golang), React
- **Languages:** Indonesian (Native), English (Fluent)
- **Certifications:** Associate Data Scientist (BNSP), Network Associate (Cisco), Advanced Data Analytics (Google)

AWARDS

- Finalist, Product Manager - National UI/UX Competition (UNNES, Oct 2025)
- 3rd Place, Product Manager - National UI/UX Competition (UNESA, Nov 2025)
- Finalist, Model Engineer - National Data Mining Competition (Telkom Purwokerto, Dec 2025)