AHMAD ZEIN AL WAFI

ahmadzeinalwafi@outlook.com • ahmadzeinalwafi.my.id • linkedin.com/in/ahmad-zein-al-wafi/

SUMMARY

Machine Learning Engineer and Architect with 3+ years of experience driving research and development in NLP, tabular data, computer vision, and intelligence system. Skilled in transforming experimental ideas into practical solutions, from developing advanced ML models to designing scalable MLOps ecosystems. Passionate about bridging research and real-world impact through cross-disciplinary collaboration and technology leadership.

EXPERIENCE

Freelance/Avocation IT/ML Developer and Consultant   Jan 2025 - Present

External Contributor/Reviewer, Dicoding Indonesia   Jun 2024 - Present

- Reviewed projects from learners progressing through the Machine Learning Engineer and Data Science Path, from basic to advanced levels.
- Becoming Advisor, Instructor, and Mentor in Dicoding Program such as Bangkit, LaskarAi, etc
- Reviewed beginner-level projects in Front-End Development and Google Cloud

ML System Architect, Research UNNES & PT Global Data Inspirasi   Aug 2024 - Des 2024

- Architecting ecosystem design and developing containerized machine learning platform of SPARKA: Smart Parking Monitoring System for Smart Campus UNNES.
- Developing various systems for the foundational framework of a ML operations platform

Assosiate Tech Lead, Kedaireka 2023 Project PT Global Data Inspirasi   Aug 2023 - Jan 2024

- Designing an integrated ecosystem technology solution for smart tourism development through the utilization of robotics, artificial intelligence, and web-based systems
- Leading and managing the technology development of product solutions for smart tourism

ML Solution Architect, Intern PT Global Data Inspirasi   Feb 2023 - Jul 2023

- Designing real-time monitoring systems for Smart Tourism using computer vision and AI technologies, including age, gender, emotion detection, etc.
- Creating an API and backend system to access data in real-time.

IoT Engineer and Technician, Intern PT Best Garment   Aug 2022 - Des 2022

Intelligence Robotics Research Assistant   Jan 2022 - Des 2022

EDUCATION

Bachelor of Engineering with Yudicium Cumlaude   Aug 2020 - Oct 2024

Universitas Negeri Semarang
- Major in Electrical Engineering with GPA 3,63
- Thesis on "A Comparative Study Of Modern Activation Functions On Multi-Label CNNs To Predict Genres Based On Movie Posters".

ADDITIONAL INFORMATION

- **Technical Skills:** ML Research, ML Pipeline & Operations, Data Engineering & Processing, LLM, General Software Development, Google Cloud Platform, IoT & Edge
- **Intellectual Property Rights**: Reverse Parking Alarm System, Post Stroke Patient Rehabilitation Application Based On Pose Detection
- **Certifications:** 50+ Dicoding certification in various technology
- **Awards/Activities:** Achieved finalist and champion titles in various university and institutional competitions, while actively engaging in research and contributing to service-driven initiatives. Also, designed various proposals and presentation for funding acquisition.