AHMAD ZEIN AL WAFI

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SUMMARY

I am a Machine Learning Architect with extensive experience leading technology projects as a Tech Lead and Solution Architect. Specializing in predictive analytics, computer vision, and natural language processing, I focus on developing scalable, efficient systems that drive real-world impact. I am passionate about sharing knowledge and empowering teams to identify and solve problems using optimal data-driven approaches. I strongly believe that the right technology combined with active collaboration can create substantial value for any project or organization.

WORK EXPERIENCE

Freelance/Avocation IT Developer and Consultant   Jan 2025 - Present

External Contributor/Reviewer, Dicoding Indonesia   Jun 2024 - Present
- Reviewed projects from learners progressing through the Machine Learning Engineer Path, from basic to advanced levels.
- Becoming Advisor, Instructor, and Mentor in Dicoding Program such as Bangkit, LaskarAi, etc
- Reviewed beginner-level projects in Data Science, Front-End Development, and Google Cloud

Machine Learning 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.

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

Machine Learning 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

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:** Machine Learning Engineering, System Architecture & Design, Business & Requirements Analysis, Software Development, Google Cloud Platform, Data Management.
- **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