



# AHMAD ZEIN AL WAFI

**Address:** Gunungpati, Kota Semarang, Jawa Tengah  
**Phone:** 089653091891  
**Email:** ahmadzeinalwafi@outlook.com

## 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

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|--|----------------------------|
| <b>Freelance/Avocation IT Developer and Consultant</b>   | <b>Jan 2025 - Present</b>  |
| <b>External Contributor/Reviewer, Dicoding Indonesia</b>   | <b>Jun 2024 - Present</b>  |
| <ul style="list-style-type: none"><li>Reviewed projects from learners progressing through the Machine Learning Engineer Path, from basic to advanced levels.</li><li>Becoming Advisor, Instructor, and Mentor in Dicoding Program such as Bangkit, LaskarAi, etc</li><li>Reviewed beginner-level projects in Data Science, Front-End Development, and Google Cloud</li></ul> |                            |
| <b>Machine Learning Architect, Research UNNES &amp; PT Global Data Inspirasi</b>   | <b>Aug 2024 - Des 2024</b> |
| <ul style="list-style-type: none"><li>Architecting ecosystem design and developing containerized machine learning platform of SPARKA: Smart Parking Monitoring System for Smart Campus UNNES.</li><li>Developing various systems for the foundational framework of a ML operations platform.</li></ul>   |                            |
| <b>Tech Lead, Kedaireka 2023 Project PT Global Data Inspirasi</b>  | <b>Aug 2023 - Jan 2024</b> |
| <ul style="list-style-type: none"><li>Designing an integrated ecosystem technology solution for smart tourism development through the utilization of robotics, artificial intelligence, and web-based systems</li><li>Leading and managing the technology development of product solutions for smart tourism</li></ul>   |                            |
| <b>Machine Learning Solution Architect, Intern PT Global Data Inspirasi</b>  | <b>Feb 2023 - Jul 2023</b> |
| <ul style="list-style-type: none"><li>Designing real-time monitoring systems for Smart Tourism using computer vision and AI technologies, including age, gender, emotion detection, etc.</li><li>Creating an API and backend system to access data in real-time.</li></ul>   |                            |
| <b>IoT Engineer and Technician, Intern PT Best Garment</b>   | <b>Aug 2022 - Des 2022</b> |

## EDUCATION

- |   |                            |
|---|----------------------------|
| <b>Bachelor of Engineering with Yudicium Cumlaude</b>   | <b>Aug 2020 - Oct 2024</b> |
| Universitas Negeri Semarang   |                            |
| <ul style="list-style-type: none"><li>Major in Electrical Engineering with GPA 3,63.</li><li>Thesis on "A Comparative Study Of Modern Activation Functions On Multi-Label CNNs To Predict Genres Based On Movie Posters".</li></ul> |                            |

## 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