Farhan Fadillah
RPA Developer, AI Strategic and Data Analyst

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https://www.linkedin.com/in/farhan-fadillah-a92078199? | https://github.com/Farhan-Fadillah/the-journey-of-farhan-fadillah

SUMMARY

Detail-oriented and results-driven professional with a strong background in Automation Development, Data Science, and Data Analysis, specializing in AI-driven process optimization and strategic automation. Experienced in designing scalable automation solutions, managing mission-critical data systems, and leveraging analytics for informed decision-making.

Proficient in RPA development (UiPath), data wrangling, and dashboard creation to drive actionable business insights. Adept at translating complex datasets into strategic intelligence, optimizing workflows through automation and AI integration, and enhancing organizational performance with data-driven methodologies. Demonstrated success in leading AI strategy and implementation initiatives for government and financial institutions to improve operational efficiency and digital transformation outcomes.

WORK EXPERIENCE

PT. Mega Perintis, Tbk
RPA Developer, Data Center and Analyst (December 2020 - Present)
1. Developed process that able to reduced reporting time by 80% through automation of recurring reports using Python scripts and Alteryx Designer
2. Designed, developed, and implemented Automation process solutions to enhance operational efficiency and reduce repetitive manual tasks
3. Created automated over 20 business processes sucessfully, reducing processing time by up to 70% and improving operational accuracy
4. Achieved significant cost savings up to hundreds of millions of rupiah annually through efficient RPA implementation
5. Developed interactive dashboards that increased executive visibility into operational performance, leading to more informed strategic decisions and improving productivity up to 20% using Data Science Methodology

Nawala Integra Nusantara
AI & Automation Strategic Consultant (Freelance) (September 2025 - Present)

1. **Conducted specialized AI training sessions** for major institutions including the *Ministry of Communications and Informatics (Kominfo Digital Transformation Program)*, *Bank Indonesia*, and various *regional development banks*, focusing on the integration of AI-driven automation strategies.
2. **Led strategic AI consultation sessions** to identify operational bottlenecks and design automation frameworks that improved process efficiency and decision-making accuracy.
3. **Developed customized AI implementation roadmaps** to support digital transformation initiatives within financial and government sectors, ensuring scalability and compliance with organizational objectives.
4. **Facilitated workshops and hands-on sessions** on AI utilization for performance optimization, enabling cross-departmental teams to adopt data-driven approaches effectively.
5. **Collaborated with executive and technical stakeholders** to align AI adoption strategies with business goals, ensuring measurable productivity gains and reduced operational overhead.
6. **Delivered impact assessments and performance analytics reports** demonstrating quantifiable improvements in workflow efficiency and task automation outcomes.
7. **Contributed to the national AI capability development efforts** by mentoring professionals in understanding ethical AI deployment, governance, and strategic automation frameworks.

PROJECT EXPERIENCE

Customer Digital Access Analysis Dashboard with PowerBI
In today's digital era, companies face significant challenges in understanding how customers access their digital services. Customer access data is often scattered across multiple sources and formats, making it difficult to obtain a comprehensive view of customer digital behavior. The absence of an integrated analytics dashboard results in delayed strategic decision-making and a lack of deep insights into customer access patterns

The primary objective of this project was to develop a Customer Digital Access Analysis Dashboard using Power BI that could:
- Support data-driven decision-making to enhance customer experience and improve the effectiveness of digital services.
- Provide interactive and easy-to-understand visualizations for various stakeholders.
- Facilitate analysis of customer access behavior, including usage trends, customer segmentation, and pattern identification.

Delivered a dashboard that offers real-time insights, improves decision-making, enables precise customer segmentation, enhances customer experience, and fosters cross-team collaboration, significantly boosting digital strategy effectiveness.
Link : https://github.com/Farhan-Fadillah/Customer_digital_media_access

AI Strategic Automation Consultant
(*Kominfo (Ministry of Communications and Informatics), Bank Indonesia, and Regional Development Banks*)
- Designed and led AI training and consultation programs to accelerate digital transformation and process automation across government and financial sectors.

- Developed strategic AI implementation roadmaps that enhanced operational efficiency, reduced manual workloads, and improved decision-making accuracy.

- Collaborated with executive and technical stakeholders to align AI adoption with institutional goals, ensuring measurable performance impact.

- Delivered post-implementation assessments demonstrating tangible gains in productivity and workflow optimization through AI-driven automation.

Jakarta Air Pollution Predictor App Using Machine Learning
- Jakarta faces severe air pollution challenges due to rapid urbanization, traffic congestion, and industrial activities. Accurate and timely prediction of air quality is essential for public health advisories and policy interventions, but existing systems often lack localized, real-time forecasting capabilities.
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- The project aimed to develop a predictive application that forecasts air pollution levels in Jakarta using historical and real-time environmental data, enabling authorities and citizens to take proactive measures.

- The app provides reliable, localized air pollution forecasts that help raise public awareness and support timely decision-making by authorities. It contributes to improved health outcomes by enabling preventive actions and informs policy development for pollution control in Jakarta.

Project Link: https://github.com/Farhan-Fadillah/air_pollution_predictor_jakarta
App Link : https://airpollution-predictor-jakarta.streamlit.app/

Energy Consumption Building Predictor App with Machine Learning
- Buildings account for a significant portion of global energy consumption, leading to high operational costs and environmental impact. Increasing energy efficiency is critical to meet sustainability goals and reduce expenses, but predicting energy usage accurately remains a challenge due to complex factors like occupancy, weather, and equipment performance.

- The project aimed to develop a machine learning-based application to predict building energy consumption, enabling facility managers and stakeholders to optimize energy use, reduce costs, and support sustainability initiatives.

- The application delivers accurate energy consumption forecasts that help reduce waste, lower operational costs, and support sustainability goals. It empowers decision-makers with actionable insights, leading to improved energy management and environmental impact reduction.

Project Link: https://github.com/Farhan-Fadillah/energy_consumption_buildings
App Link : https://energy-consumption-buildings.streamlit.app/

EDUCATION

Indonesia Open University (2025 - Now)
Data Science

Purwadhika Digital Technology School (2019)
Data Science & Machine Learning

LICENSES & CERTIFICATION

Purwadhika Digital Technology School (Nov 2019)
Data Science & Machine Learning

IBM Data Science Methodology (Nov 2020)
Link: https://documentcloud.adobe.com/link/track?uri=urn:aaid:scds:US:4a57bbaa-0815-41d0-bd51-ad7deb9ce972

Data Analyst Python Track by DQLab (Oct 2020)
Link: https://documentcloud.adobe.com/link/track?uri=urn:aaid:scds:US:66fbcb14-8659-4fa1-b367-8a1eda32481a

Data Science in Marketing : Customer Segmentation with Python by DQLab (Nov 2020)
Link: https://documentcloud.adobe.com/link/track?uri=urn:aaid:scds:US:515d7b22-a5c8-4858-9732-b7f2bef8585e

Customer Churn Prediction using Machine Learning by DQLab (Sep 2020)
Link: https://documentcloud.adobe.com/link/track?uri=urn:aaid:scds:US:8ba7df45-6718-4981-815d-d9848e2d14ba

Architecting on AWS (Building Cloud Architecture on AWS) by Dicoding (Jun 2025)
Link: https://www.dicoding.com/certificates/JMZVE6VRRPN9

Prompt Engineering for Software Developer by Dicoding (Jun 2025)
Link: https://www.dicoding.com/certificates/1RXYE5QDKZVM

LLM Based Tools and Gemini API Integration for Data Scientist by Hactiv8 (Aug 2025)
Link:
https://drive.google.com/file/d/1Oh4F3WIx0lLYEq6B0RxNx7iu2OPFOXAS/view?usp=drivesdk

Learn Cloud Basics and Gen AI on AWS by Dicoding (Jun 2025)
Link: https://www.dicoding.com/certificates/QLZ93W3NMZ5D

SKILLS

- Python Programming
- SQL Database & Query
- Data Wrangling
- Data Visualization
- Statistical Data Analysis
- Machine Learning
- Data Visual Studio Code
- Microsoft Excel
- PowerBI
- Alteryx Designer
- UIPath
- AWS S3
- Microsoft Dynamics 365
- N8N
- Amazon Quicksight
- Prompt Engineering
- Generative AI

REFERENCES

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