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

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.

## WORK EXPERIENCE

**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

**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

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](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.

### **ROI Prediction Modelling in Retail**

- High-Precision Predictive Modeling: Successfully engineered a Random Forest model achieving up to 90% Accuracy, ensuring highly reliable identification of profitable vs. loss-making products.
- Risk Mitigation Strategy: attained 99% Precision in detecting "Low ROI" items, effectively acting as a financial firewall that prevents capital allocation to dead stock.
- Supply Chain Integration: Successfully incorporated Lead Time Risk analysis, enabling the business to forecast stockouts during demand spikes, a critical factor often overlooked in standard sales forecasting.

Project Link: <https://github.com/Farhan-Fadillah/ROI-Prediction-Modelling>

App Link : <https://roi-prediction-modelling.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](https://github.com/Farhan-Fadillah/energy_consumption_buildings)

App Link : <https://energy-consumption-buildings.streamlit.app/>

## **EDUCATION**

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### **Indonesia Open University (2025 - Now)**

Data Science

### **Purwadhika Digital Technology School (2019)**

Data Science & Machine Learning

## **LICENSES & CERTIFICATION**

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## **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:66fbc14-8659-4fa1-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/1Oh4F3Wlx0ILYEg6B0RxNx7iu2OPFOXAS/view?usp=drivesdk>

## **Learn Cloud Basics and Gen AI on AWS by Dicoding (Jun 2025)**

Link: <https://www.dicoding.com/certificates/QLZ93W3NMZ5D>

## **SKILLS**

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

## **REFERENCES**

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### **Arry Hutomo**

CEO of Nawala Integra Nusantara  
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### **Doni Wahyudi**

Data Engineer of Bank BTPN Syariah  
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