Farhan Fadillah
RPA Developer and Data Analyst
East Jakarta | +6281310153472 | fadillahfarhan99@gmail.com |
https://www.linkedin.com/in/farhan-fadillah-a92078199? | https://github.com/Farhan-Fadillah/the-journey-of-farhan-fadillah

SUMMARY

RPA Developer, Data Center and Data Analyst with detail-oriented and results-driven professional background as an Automation Developer, Data Scientist, and Data Analyst, bringing strong technical proficiency in automation, data infrastructure, and data analysis. Skilled in developing scalable automation solutions, managing mission-critical systems, and performing data-driven decision-making using modern analytics tools

Proficient in Data dan Business Analysis, with hands-on experience using UiPath, data wrangling, and building dashboards to support strategic insights. Adept at translating complex data into actionable insights, optimizing system performance, and automating business processes to increase operational efficiency with Data Science Methodology.

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

Sribulancer
Backend Developer (Internship) (Jan 2020 - May 2020)
Building new system backend website using node.js, GraphQL, SQL, making testing kit for API.

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

Household Carbon Emission Prediction and Visualization Using Machine Learning
- With growing concerns about climate change, accurately estimating household carbon emissions is critical for targeted environmental policies and individual awareness. However, the complexity and variability of household behaviors make it challenging to predict emissions reliably.

- The project aimed to develop a machine learning model to predict household carbon emissions based on various socio-economic and behavioral factors, and to create visualizations that communicate these insights effectively to stakeholders.

- The project delivered a robust predictive model that accurately estimates household carbon emissions, accompanied by clear visualizations that highlight emission patterns and key contributors. This enables policymakers and households to identify reduction opportunities and supports data-driven environmental strategies.

Project Link: https://github.com/Farhan-Fadillah/household_carbon_predictor
App Link : https://household-carbon-predictor.streamlit.app/

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.

- 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 2022)
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

Learn Basic of AI by Dicoding (Jun 2025)
Link: https://www.dicoding.com/certificates/53XED2D9KPRN

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

Business Development by MySkill (Jul 2024)
Business Development Training by MySkill

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

REFERENCES

Arry Hutomo
CEO of Nawala Integra Nusantara
+62813-9297-9993

Kevin Elfri
Data Engineering Manager of PT. Jala Akuakultur Lestari Alamku
+62812-9433-2269