MUHAMMAD ABIZAR ALGIFFARY THAHIR

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EXPERIENCE

June 2024 – October 2024

Purwardhika Digital Technology School – Data Scientist and Machine Learning Program   Setiabudi, Jakarta

- Built and implemented a machine learning model using CatBoost algorithm to estimate property prices from California historical housing prices data. Achieved average price prediction error only 3% of actual average price and undercut average actual price estimates by 6500 US$.
- Generated insightful recommendation for stakeholders using Olist Brazilian E-commerce order delivery data by utilizing logistic regression model in Google Colab with Apache PySpark libraries.
- Built and implemented a time series forecasting model using Walmart historical sales data of last 3 years to predict next year sales forecast utilizing SARIMA machine learning algorithm.
- Generated a visualization of customer purchase behaviors using data from Online Retail E-commerce sales date to analyze customer's Recency, Frequency, and Monetary values by utilizing Google Colab and Tableau Public.
- Generated insightful recommendations for stakeholders using data of recorded trips from NYC – TLC using exploratory data analysis and inference statistical methods.
- Generated a visualization of customer purchase behaviors using data from Cosmetics E-commerce yearly sales to analyze customer's cohort retention by utilizing Google Colab and Google Looker.
- Built and implemented a Create, Read, Update, Delete (CRUD) application for inputting patient data for emergency disaster response hospital utilizing Python programming language.

October 2022 – June 2024

PT. Grab Teknologi Indonesia – Light 4-Wheeled Vehicle Operator   Medan, North Sumatera

- Safely transporting clients to their preferred destination as swiftly as possible while achieving maximum comfort rating.

September 2020 – September 2022

Remotask.com – Image Annotator   Medan, North Sumatera

- Annotate images of daily life objects, shipping labels, satellite images, and video feeds from dashcam to generate datasets for training instance segmentation deep learning model.

October 2017 – May 2018

PPPTMGB LEMIGAS – Research Intern Program   Cipulir, Jakarta

- Simulated an economic model using feasibility analysis of Gas-To-Liquid Technology implementation to a reservoir reserve estimated of 10.73 trillion cubic feet in methane and 209 million stock tank barrels of condensate as a solution to a declining national fuel reserve. Determined that the economical value of the technology can only be viable when the global crude oil price reached above 80 US$ a barrel.

Juli 2014 – August 2014

PT. PERTAMINA ASSET 1 ADERA – Petroleum Engineer Trainee Program   Prabumulih, Palembang

- Simulated hydraulic jet pump well extraction using PIPESIM. Monitor and inspect jet pump equipment installation and liquid distribution systems. Successfully installed, tested, and operated with maximum achievable targeted flowrate ahead of scheduled timeline.

May 2012 – June 2012

Pusat Pendidikan dan Pelatihan Minyak Bumi dan Gas – Petroleum Engineering Certification   Blora, Cepu

- Observe, log, and report various oil and gas operations and activities related to exploration and exploitation of oil and gas reserves. Successfully passed course with average grades within scheduled timeline.

EDUCATION

August 2011 – October 2018

    Universitas Trisakti   **Grogol, Jakarta**

    Bachelor of Science Petroleum Engineering. GPA: 3.17/4.00

    Thesis: Economic Model Analysis of Gas-To-Liquid Technology Implementation
                on 'MSL' Block Field 'A' Indonesia.

    Relevant Coursework: Engineering Mathematics, Matrix and Linear Algebra,
                      Numerical Methods, Statistics.

COURSES

August 2019 – March 2020

    Asagao Nihongo Center   **Medan, North Sumatera**

    Japanese Language Proficiency Test N5

August 2015 – August 2017

    Wall Street Institute of English   **Senayan, Jakarta**

    Advance Class Mastery Level 2

CERTIFICATIONS

Dec 2019   **Japanese Language Proficiency Test (JLPT) N5**

May 2018   **Final Assignment Completion Certificate**
                  PPPTMGB LEMIGAS Credential ID 135/53/SK/BLM.4/2018

Aug 2017   **Wallstreet English Advanced Certificate Mastery 2**

Aug 2014   **On-The-Job Training Certificate**
                  PERTAMINA EP ASSET 1 ADERA

June 2012   **Oil and Gas Operation Training Course Certificate**
                  PPSDM MIGAS Credential ID 1375.Strf/Ind/BDM/2012

ADDITIONAL

    Technical Skills: Adobe Photoshop, Github, Google Colab, Google Looker, Jupyter, Microsoft Office Suites, MySQL, PIPESIM, PowerBI, PySpark, Python, Tableau, Visual Studio Code.

    Languages: Native in Indonesian; Fluent in English; Basic in Japanese.

    Organizational Experiences: WSI English Volunteer Community member (2015 – 2017); Asagao Nihongo Community member (2019 – 2020).