

YILMAZ TRIGUMARI SYAH PUTRA

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SUMMARY

Data Scientist & Analyst specializing in optimizing queries, handling millions of rows using SQL, Tableau & Looker for building dynamic dashboards, Inferential Statistics and Descriptive Statistics, and Machine Learning algorithm for Regression or Classification use case. Transitioning from Metallurgical Engineering (3.51 GPA) with industry experience, collaborating with foreign experts and various departments to drive data-driven decisions, applying analytical thinking to deliver business insights. Implemented RFM-based customer segmentation on 1000+ transaction by transforming raw data into business insights, built a robust model using Gradient Boosting to predict house prices one year into the future, and performed geospatial analysis to interpret market trends using simulated data.

EDUCATION LEVEL

Purwadhika Digital Technology School - Jakarta, Indonesia

Oct 2024 - Feb 2025

Data Science and Machine Learning Program

Completed an intensive Data Science and Machine Learning program, gaining proficiency in Python, SQL, Tableau, Statistics, and Machine Learning. Applied predictive modeling, sentiment analysis, cohort analysis, and forecasting to real-world case studies, processing 100,000+ data points across multiple projects. Built SQL queries optimizing large datasets, created interactive dashboards, and developed machine learning models with MAPE as low as 18.75%.

Universitas Pembangunan Nasional "Veteran" Yogyakarta - Yogyakarta, Indonesia

Aug 2017 - Jan 2022

Bachelor of Metallurgical Engineering, 3.51/4.00

Organization Experience:

- Head of Public Relations - Masyarakat Geologi Ekonomi Indonesia (MGEI) UPN "Veteran" Yogyakarta
- Member of Sport, Art, and Religion Division - Himpunan Mahasiswa Teknik Metalurgi UPN "Veteran" Yogyakarta
- Laboratory Assistant – Metal Corrosion Control Assistant

SMAN 28 Jakarta - South Jakarta, Indonesia

Jul 2014 - Jul 2017

Science Major

WORK EXPERIENCE

PT. Halmahera Persada Lygend (HPAL) - North Maluku, Indonesia

Oct 2022 - Sep 2024

Dispatcher and Process Foreman

- Supervised and controlled end-to-end production parameters from mining, processing, to final product, through Distributed Control System (DCS) database. Analyzed 100+ production data points monthly, identified inefficiencies, and implemented solutions, ensuring continuous operations and full completion of production plans across multiple processing units handling thousands of tons of material daily.
- Managed scheduling and assignment for a fleet of production vehicles and 200+ operators, drivers, and manpower, ensuring efficient fleet operations aligned with weekly targets. Utilized Google Sheets and Google Docs to optimize scheduling, track resource allocation, and improve operational efficiency
- Managed safety administration for production operations, overseeing work permits, safety analysis, daily inspections, and heavy equipment maintenance to ensure compliance with regulations. Successfully processed and approved 1,000+ work permits, ensuring a safe and controlled work environment while minimizing operational risks.

PT Antam UBPP Logam Mulia - Jakarta, Indonesia

Sep 2020 - Oct 2020

Intern as Process Engineering

- Assisted in managing the metallurgical and material balance of gold refining to meet monthly operational targets using Microsoft Excel.
- Analyzing key parameters and variables to optimize both the chlorination and electrolytic gold refining processes, contributing to process efficiency improvements through process and financial.

PROJECTS

California House Price Prediction

Built a CatBoost-based machine learning model to predict house prices in California using key housing features such as location, median income, and property characteristics. The model provided valuable insights into housing market trends, aiding stakeholders in investment decision-making. For more detailed overviews, the presentation can be found [here](#).

Analyzing Public Sentiment on CORETAX

Conducted Text Mining & Sentiment Analysis on Bahasa Indonesia text to analyze public sentiment toward CORETAX. Implemented Naïve Bayes and SVM models to classify sentiment into positive, negative, and neutral, providing insights into public opinion trends. For more detailed overviews, the presentation can be found [here](#).

Gudang Garam (GGRM) Stock Forecasting

Developed a time series forecasting model to predict Gudang Garam (GGRM) stock price movements using historical data. Applied models such as ARIMA, Prophet, and LSTM to analyze market trends, seasonality, and volatility, offering insights for investment strategies. For more detailed overviews, the presentation can be found [here](#).

Supermarket RFM Analysis

Performed RFM segmentation on supermarket transaction data to classify customers based on Recency, Frequency, and Monetary values. The insights enabled targeted marketing campaigns, improving customer retention and revenue optimization. For more detailed overviews, the presentation can be found [here](#).

B2B Invoice Cohort Retention Analysis

Analyzed customer retention patterns in B2B invoice data using cohort analysis. Identified trends in customer engagement and churn, supporting data-driven retention strategies and revenue forecasting. For more detailed overviews, the presentation can be found [here](#).

Heavy Equipment CRUD

Developed a Python-based CRUD application to manage heavy equipment records efficiently. Integrated data validation and visualization tools to improve workflow efficiency and streamline equipment tracking. For more detail, the python CRUD can be found [here](#).

Unlocking Customer Insights for Revenue Growth

Conducted exploratory data analysis (EDA) to identify key factors influencing revenue growth. Applied segmentation techniques and data visualization to extract insights into customer spending behavior, leading to optimized pricing strategies and marketing campaigns. For more detailed overviews, the presentation can be found [here](#).

SKILLS

Hardskills:

- **Microsoft Office** (Ms. Word, Excel, Power Point, and Visio)
- **Project Management**
- **Data Science**
- **Data Analysis** (Python, SQL, Google Spreadsheet, and Microsoft Excel)
- **Data Visualization and Dashboarding** (Spreadsheet/Excel, Python, Tableau and Streamlit)
- **Machine Learning Modelling** (Regression & Classification)
- **Statistical Analytics** (Inferential and Descriptive)