Luctfy Alkatiri Moehtar

Data Scientist | Data Analyst | Data Engineer | AI Engineer

West Java, Indonesia | +6282211514480 | luctfyalkatiri08@gmail.com | LinkedIn | Github

SUMMARY

Results-driven and highly motivated professional with a strong foundation in business development and quality control within the oil & gas industry, complemented by entrepreneurial experience as a former business owner. Holds a bachelor's degree in petroleum engineering, demonstrating analytical, technical precision, and problem-solving skills. Passionate about transitioning into the field of data science, with a relentless drive to learn, adapt, and contribute meaningfully to technology driven environments. Known for exceptional work ethic, resilience, collaborative spirit, and clear communication, committed to continuous growth and excellence in the data science domain.

EDUCATION

Hacktiv8 Bootcamp   **Jakarta, Indonesia**
Full Time Data Science Program. Score: 95.63 (Transcript)   *August 2025 - Present*

Universitas Trisakti   **Jakarta, Indonesia**
Bachelor of Petroleum Engineering GPA: 3.51/4.00 (Transcript)   *2017 – 2021*
Final Project: Comparative Analysis of Saraline and Used Cooking Oil in Determining the Physical Properties of Oil Mud at 100, 200, and 300°F

ACHIEVMENT

Hackathon Amartha x GDG Jakarta 2025   **Jakarta, Indonesia**
Project Leader and Data Scientist   *November 2025*
Participated in the Amartha x GDG Jakarta Hackathon 2025, completing a 24-hour challenge as Project Leader and Data Scientist, and successfully leading the team to achieve a Top 15 position by developing a credit risk assessment project leveraging Generative AI.

SKILLS

General Skills: Data Engineering (API, Cloud ETL, Pipeline), Data Analysis & Visualization (EDA, Preprocessing), Machine Learning, Deep Learning, AI
Programming Language: Python, SQL, Javascript
Visualization Tools: Tableau, Power BI, Matplotlib, Seaborn, Plotly, Kibana
Libraries / Framework: TensorFlow, Keras, PyTorch, Scikit-learn, XGBoost, Pandas, NumPy, SciPy, Statsmodels, OpenCV, NLTK, Transformers (Hugging Face), FastAPI, Streamlit, YOLO CV
Databases & Data Engineering: PostgreSQL, MongoDB, ElasticSearch, Apache Airflow, dbt.
DevOps, MLOps & Deployment: Docker, Docker Compose, Git, GitHub, CI/CD Pipelines, MLflow
Techniques: NLP, CV Time Series Analysis, Forecasting, Credit Scoring & Risk Modeling, Churn Prediction, Classification, Regression, Clustering, Dimensionality Reduction, A/B Testing.
Modeling Algorithms: Linear Models, SVM, Tree-based Ensembles (Random Forest, XGBoost, LightGBM), Decision Tree, Clustering, Deep Learning (ANN, CNN).
Others: AWS, Google Cloud, BigQuery, Hugging Face

PROJECTS

Telco Customer Churn Prediction   *December 2025*
Developed a full end-to-end MLOps-based customer churn prediction system using Python and XGBoost, orchestrated with Apache Airflow and deployed using Docker. Built an automated ELT pipeline from PostgreSQL to Google BigQuery with dbt for transformation. Implemented model training, experiment tracking, and model registry with MLflow, and deployed the prediction service using FastAPI with a Streamlit frontend for real-time churn prediction.
Technology / Tools: Python, Pandas, NumPy, Scikit-Learn, XGBoost, Apache Airflow, Docker, PostgreSQL, Google BigQuery, dbt, MLflow, FastAPI, Streamlit, GitHub

E-Commerce Shipping Delivery Analysis

September 2025

This project aims to identify the key factors that influence shipping delays by analyzing various aspects related to customers, products, and logistics.

Technology / Tools: Python, Pandas, NumPy, Seaborn, Matplotlib, Tableau

Credit Card Fraud Detection

October 2025

Developed a credit-card fraud detection system using Python, Pandas/Numpy, Scikit-Learn and XGBoost. Performed exploratory data analysis, feature engineering and model deployment via Streamlit for real-time prediction of suspicious transactions.

Technology / Tools: Python, Pandas, Numpy, Scipy, Scikit-Learn, XGBoost, Matplotlib, Seaborn, Streamlit, GitHub, Pickle

Food Time Delivery Prediction

November 2025

Developed a credit-card fraud detection system using Python, Pandas/Numpy, Scikit-Learn and XGBoost. Performed exploratory data analysis, feature engineering and model deployment via Streamlit for real-time prediction of suspicious transactions.

Technology / Tools: Python, Pandas, Numpy, Scipy, Scikit-Learn, XGBoost, Matplotlib, Seaborn, Streamlit, GitHub, Pickle, Hugging Face

WORK EXPERIENCE

PT. Nurman Mitra Sentosa **Bekasi, Indonesia**
Quality Control Inspector, QA/QC Department *February 2024 – January 2025*

- Collected, analyzed, and monitored raw material data to ensure compliance with material specifications and engineering drawings, enabling data-driven quality decisions.
- Performed precise measurements using digital calipers, threading tools, and other instruments, ensuring data accuracy and integrity for production analysis.
- Compiled and analyzed daily quality reports, including receiving reports, non-conformance, and final inspections, to identify trends and support process improvement initiatives.
- Acted as a QHSE Representative, coordinating field data and implementing quality and safety standards through measurable performance metrics.

PT. Shopee International Indonesia **Jakarta, Indonesia**
Business Development Intern, Campaign Team *February 2022 – May 2022*

- Collected, managed, and analyzed daily outreach data for over 100 prospective clients, partners, and customers to identify engagement patterns and optimize conversion strategies.
- Collaborated with cross-functional teams to design and evaluate lead generation strategies using data insights and performance metrics.
- Performed comprehensive market and competitor analysis to uncover emerging trends, pricing dynamics, and business opportunities using structured data approaches.
- Monitored and updated ongoing marketing campaigns (e.g., flash sales, seasonal promotions, COD programs), tracking performance indicators to enhance campaign effectiveness and ROI.

Universitas Trisakti **Jakarta, Indonesia**
Laboratory Assistant of Drilling and Production Engineering *March 2020 – June 2021*

- Collaborated with lecturers or instructors to ensure that laboratory experiments align with the learning objectives in the curriculum
- Planned and prepared relevant laboratory experiments aligned with the educational curriculum. This includes ensuring the availability of materials, instruments, and necessary equipment

CERTIFICATIONS

HackerRank
Python (Basic)   *Issued on October 2025*
Certificate: HackerRank Certificate   *No expiration date*

HackerRank
SQL (Intermediate)   *Issued on October 2025*
Certificate: HackerRank Certificate   *No expiration date*

FreeCodeCamp
Javascript Algorithms   *Issued on January 2024*
Certificate: FreeCodeCamp Certificate   *No expiration date*