



# MUSLIH

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Innovative Informatics Engineering graduate with strong expertise in Data Science, including advanced machine learning and deep learning techniques. Proficient in Python for advanced data analysis, visualization, and predictive modeling, with proven capabilities in database management and transforming complex data into actionable business strategies. Driven to make a significant impact by leveraging data-driven insights to fuel meaningful outcomes.

## Skills

- **Programming & Libraries (Python):** Proficient in Python with experience using libraries such as NumPy, Pandas, Scikit-Learn, Matplotlib, Seaborn, Plotly, TensorFlow, MindSpore, PySpark.
- **Data Handling (SQL):** Skilled in creating, managing, and manipulating databases.
- **Machine Learning & Deep Learning:** Experienced in machine learning, deep learning, and predictive modeling.
- **Statistical Modeling:** Strong foundation in statistical modeling (regression, classification, clustering) and EDA to understand data distributions, patterns, and correlations.
- **Statistical & Exploratory Data Analysis (EDA):** Understand datasets, including distributions, patterns, correlations, and other.
- **Data Visualization & Dashboarding:** Matplotlib, Seaborn, Tableau, and Google Data Studio.
- **Model Deployment:** Knowledgeable in deploying machine learning models and data pipelines.

## Experience

**Yayasan Mizan Amanah** - South Jakarta, Indonesia

**August 2024 - Current**

*Internship (Remote)*

As a Data Scientist Intern at Mizan Amanah, I am responsible for analyzing large datasets to uncover actionable insights that drive business decisions. My role involves:

- **EDA & Data Cleansing:** Performing EDA and cleansing to ensure accurate and actionable data.
- **Data Mapping:** Aligning and integrating data sources for consistent analysis.
- **Visualization & Dashboarding:** Crafting visualizations and dashboards to deliver clear insights.

**PT Bank Rakyat Indonesia (Persero) Tbk** - Jakarta Center, Indonesia

**September 2023 - August 2024**

*Internship (Onsite)*

BRI Bank is one of the state-owned companies in Indonesia. My placement is in Digital Banking Development & Operation (DDB) IT Operation Analyst CERIA BRI product operational team

- **Customer Data Access:** Utilized SQL in DBeaver with PostgreSQL databases, as well as Robo3T and Postman.
- **Automation Programming:** Created Python scripts for filtering user IDs and automating email blasts.
- **Technical Support:** Resolved 1,000+ cases via Jira Service Management, boosting CERIA app user satisfaction by 95%.

## Certification Courses

- **Artificial Intelligence for Developer (KOMINFO) (July – August 2024):** Digitalent KOMINFO Scholarship, focusing on machine learning, deep learning, and neural networks with TensorFlow and MindSpore.
- **Course Data Science Digital Skola (March – June 2024):** covering SQL, Python, data analysis, visualization, dashboards, statistics, and machine learning techniques.

## Educations

**Universitas Muhammadiyah Prof. Dr. Hamka** - East Jakarta, Indonesia

**September 2020 - August 2024**

Bachelor's Degree in Informatics Engineering, 3,58/4,00.

## Projects

- **Rupiah Currency Nominal Classification:** Classified 100k & 50k rupiah notes using CNN
- **Classification of Monkeypox Disease:** Identified monkeypox in image data.
- **Scientific Journal (2024):** Implementation of the SVM for Bing AI Application Sentiment Analysis Using Playstore Review Data.
- **Diamond Price prediction:** Built a public diamond price prediction mode.
- **House price predictions:** Create a machine learning model to predict house prices based on a dataset.
- **Data Science Salary:** Adjusted data science salaries for inflation.
- **Customer Churn Prediction:** Prediction model to find out whether a customer will stop subscribing or continue subscribing.
- **Customer Clustering:** Segment each customer to determine customer satisfaction levels.
- **Prediction of Diabetes Diagnosis:** Predicted diabetes diagnosis in women.
- **Dashboard Interactive E-Commerce:** Developed an interactive sales dashboard.