Muhammad Noerhadi

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Summary

Data enthusiast with strong experience in building machine learning models. Proven expertise in implementing and testing algorithms using Python and SQL. Skilled in data analysis, problem-solving, and applying scientific methods to derive actionable insights in business contexts. Eager to leverage data-driven solutions to solve real-world problems and contribute to organizational success.

Education

- **Hacktiv8**   **Jakarta, Indonesia**
  Bootcamp Full-Time Data Science   *October 2024 – December 2024*
- ***Universitas Informatika dan Bisnis Indonesia***   **Bandung, Indonesia**
  Bachelor of Informatics (GPA 3.18/4.00)   *October 2018 – December 2024*

Skills

- **General Skills :** Exploratory Data Analysis, Time Series Analysis, Machine Learning
- **Programming Language :** Python, SQL, Java
- **Visualization Tools:** Tableau, Looker
- **Libraries / Framework:** Scikit-learn, Pandas, Numpy, Matplotlib, Seaborn, Scipy, Feature-Engine, Flask API, Rest API, Tensor Flow, Keras.
- **Deployment :** Streamlit, Hugging Face.
- **Tools :** Jupyter Notebook, Docker, PostgreSQL, Google BigQuery, Apache Air Flow, Elasticsearch
- **Modeling Algorithms:** Regression, Random Forest, Decision Trees, KNN, XGBoost, Clustering
- **Other :** Ms. Office (Word, Excel, PowerPoint)

Certificates

- **Python :** *HackerRank, Progate*
- **SQL :** *HackerRank, Progate*
- **Kotlin :** *Dicoding*
- **Android Development :** *Dicoding*
- **IT Support Google :** *Coursera*
- **DevOps :** *Dicoding*

Projects - Github

PRiceWise: Property Price Predictor

Creating an end-to-end system that automatically scrapes the latest data from websites, processes and transforms it through ETL, extracts valuable insights, and trains machine learning models that continuously improve every month. This ensures the model remains up-to-date and provides accurate predictions, adapting to evolving market trends.

Technology/ Tools : Python, Numpy, SciPy, Pandas, Scikit-Learn, TensorFlow, BeautifulSoup, SQL, Matplotlib, Seaborn, Streamlit.

Forest Fire Detection

A deep learning project aimed at classifying fire and no fire, focusing on assessing model performance, improving accuracy, and offering recommendations for real-world applications.

Technology/ Tools: Python, Numpy, Pandas, Scikit-Learn, TensorFlow, Matplotlib, Seaborn, Streamlit.

Prediction of Bank Credit Scores

A machine learning project focused on predicting credit scores into categories of Good, Standard, or Poor, based on financial, demographic, and behavioral histories. Among the models evaluated—SVC, KNN, Decision Tree, Random Forest, and XGBoost—the Random Forest model demonstrated the best performance with an F1-score mean of 0.7815, showcasing its reliability in handling class distribution in credit data. This project assists financial institutions in Reducing the risk of bad loans, Offering tailored credit products based on customer risk profiles and Improving accuracy in credit eligibility evaluations.
Technology/Tools: Python, Pandas, Scikit-Learn, XGBoost, Random Forest, Matplotlib, Seaborn, Streamlit, and Hugging Face.

Web Scraping Product from E-Commerce

Developed a web scraping project to collect data on Seblak products from an e-commerce platform. The project automated the process of gathering information such as product names, prices, seller details, locations, total sales, and product ratings. The data was analyzed to identify pricing trends, sales performance, and customer feedback.
Technology / Tools: Python, BeautifulSoup, Selenium, Pandas, NumPy, Matplotlib.