

Shendi Teuku Maulana Efendi

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PROFIL SUMMARY

Hello, I am Shendi, a 6th semester student of Informatics Engineering study program at Universitas PGRI Madiun. I have an interest in technology and have worked on various projects specifically in the fields of software development, database design and management, and data analysis in the MSIB Kampus Merdeka, BNSP, Oracle Academy, and Digitalent Kominfo programs. These programs have helped me develop in-depth skills and knowledge in the technology field. I enjoy taking on new challenges and always look for opportunities to continue learning and innovating.

EDUCATION

PGRI MADIUN UNIVERSITY

Sep 2021 - Present

Informatics Engineering - GPA 3.84/4.00

SMAN 2 MADIUN

2017 - 2020

Natural Science

EXPERIENCE

Kampus Merdeka - Independent Study (MSIB)

Aug 2023 - Dec 2023

PT Great Edu Global Mahardika

Data Analyst (Remote)

- Utilized SQL and Python with Pandas and NumPy for data analytics tasks.
- Conducted feature engineering, feature selection, and statistical modeling for data analysis.
- Split data into training and testing sets for model development and validation.
- Explored patterns in data using regression models, cluster analysis, and k-means clustering.
- Transformed data and applied models such as Random Forest, K-Nearest Neighbors (KNN), and XGBoost to optimize predictions.
- Created data visualizations and dashboards using Looker Studio to present insights effectively.
- Evaluated models using metrics such as silhouette score to assess clustering performance.
- Performed decision analysis using decision trees in data analytics contexts.

Kementerian Komunikasi dan Informasi - Digitalent Scholarship

Mar 2023 - Jun 2023

Oracle Academy

Database Design & Programming (Remote)

- Designed and implemented database schemas using SQL Data Modeler.
- Wrote SQL queries to manipulate data, including creating, updating, and deleting records.
- Created tables, views, and indexes to optimize database performance and accessibility.
- Developed stored procedures and triggers to automate data management tasks.
- Utilized data modeling tools to visualize database architecture and relationships.
- Debugged and resolved issues related to data retrieval and manipulation.
- Collaborated with team members to understand project requirements and design solutions.

TRAINING AND CERTIFICATION

Badan Nasional Sertifikasi Profesi (BNSP)

Associate Data Science - Predicting Diabetes

- Collected and prepared medical data from patients, including attributes such as number of pregnancies, blood glucose levels, blood pressure, skin thickness, insulin levels, BMI, diabetes pedigree function, and patient age.
- Cleaned and prepared data for analysis by addressing missing or inconsistent data.

- Explored data patterns and characteristics to identify relationships between attributes and diabetes diagnosis outcomes.
- Developed predictive diabetes models using algorithms such as Decision Tree, Random Forest, AdaBoost, and K-Nearest Neighbors (KNN).
- Trained models with training data and evaluated model performance using testing data and metrics such as accuracy, precision, recall, and F1 score.
- Optimized models by adjusting parameters and using techniques such as cross-validation to enhance prediction accuracy.
- Analyzed important features contributing to diabetes prediction to understand the impact of attributes.
- Documented the model development process, evaluations, and findings.
- Prepared reports on analysis and prediction results, providing recommendations based on findings.
- Integrated predictive models into clinical practice or other decision support systems.

Datacamp

Course Certification

- Introduction to SQL
- Introduction to Python
- Joining Data in SQL
- Understanding Data Science
- Data Manipulation with Pandas
- Supervised Learning with scikit-learn

DQLAB

Data Science Fundamental

- Introduction to Data Science with Python
- Python Fundamental for Data Science
- Fundamental Data Visualization with Python
- Fundamental Data Visualization with R
- Statistic using Python for Data Science
- Sample and Population
- Data Preparation in Data Science using R
- Exploratory Data Analysis with Python for Beginner
- Data Quality with Python

LAB ASISSTANTS

Database Module

- Overseeing and assisting students during practical sessions to ensure they understand the material and can complete the assigned tasks.
- Helping students resolve technical issues that arise during the practical sessions.
- Providing guidance and technical support to students regarding the use of database software (XAMPP).
- Assisting in the evaluation of practical assignments, including reviewing and providing feedback on students' tasks and projects.

SOFT SKILLS

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|-----------------|---------------------|------------------------|
| • Hardworking | • Critical thinking | • Interpersonal skills |
| • Communication | • Problem Solving | • Self-motivated |
| • Team work | • Creative Thinking | • Strategic Planning |

TECHNICAL SKILLS

- | | | | | |
|----------|----------|--------------------|----------------------|-------------------------|
| • Python | • R | • Looker Studio | • Data Cleaning | • Statistical Analytics |
| • PHP | • MySQL | • Jupyter Notebook | • Data Processing | • Data Split |
| • Java | • Numpy | • Google Colab | • Data Modelling | • Data Evaluation dan |
| • C++ | • Pandas | • Machine Learning | • Data Visualization | Testing |