RIZKI DINATA

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Sukarame, Bandar Lampung, Lampung, Indonesia

As a recent Engineering graduate, I bring a passion for **data analysis** and a solid foundation in **Python**, **SQL**, **Machine Learning** and **statistics**. Eager to contribute to data-driven solutions, I thrive on uncovering patterns and transforming complex information into actionable insights. My career interests span both **Data Analyst** and **Data Scientist** roles, where I aim to apply my analytical skills to real-world challenges.

EDUCATION

Institut Teknologi Sumatera - South Lampung, Indonesia   Aug 2018 - Aug 2022

Bachelor's Degree in – Geophysics Engineering, 3.67/4.00

- Earned bachelor's degree Cum Laude.
- Outstanding Student Candidat in OZT Award (June 2019)
- Coursework: Statistics, Machine Learning, Machine Learning for Geophysics, Data Analysis, Computational, Geophysics, Regression.

ACTIVITES

Binar Academy   Feb 2024 – April 2024

Data Science Student

- Proficient in querying and manipulating databases using SQL.
- Skilled in Python programming for data analysis and visualization.
- Applied statistical techniques to draw meaningful insights from data.
- Developed machine learning models for predictive analytics and classification.
- Utilized SQL on BigQuery to clean and preprocessing raw data.

Digital Talent Scholarship – Kementerian Komunikasi dan Informatika   Oct 2022 – Dec 2022

Machine Learning Developer Student

- Studied various machine learning algorithms, including regression, decision trees, and clustering.
- Applied machine learning techniques to real-world datasets, solving problems related to classification and regression.
- Explore into deep learning concepts, including neural networks, convolutional neural networks (CNNs), and image segmentation.
- Learned how to evaluate model performance using metrics like accuracy, precision, and recall.
- Extracted relevant features and transformed data for optimal model performance.

Institut Teknologi Sumatera - South Lampung, Indonesia   Feb 2022 - May 2022

Laboratory Assistant of Geophysical Inversion

- Wrote scripts in Python to calculate basic statistics such as mean, median, and matriks.
- Visualize the relationship between two variables using python library (Matplotlib or Seaborn) to analyze different of Linear Inversion and Non-Linear Inversion.
- Applied Grid Search and Random Search to predict location of hipocentrum based on earthquake stations.

PT. Andesit Lumbung Sejahtera - South Lampung, Indonesia   Aug 2021 - Oct 2021

Geophysicist Jr Internship

- Utilized a resistivity meter to collect geoelectric data in the PIT 1 area.
- Processed resistivity data to estimate the distribution of andesite rocks in the subsurface.
- Conducted mineral and sedimentology surveys in the PIT area to support exploration data.
- Presented the findings of data processing to supervisors.

PROJECTS

Dashboard COVID-19 Analysis – Binar Academy   Maret 2024

- Data cleaning with SQL in BigQuery to manipulate from inconsistent data.
- Statistical analysis to determine case trends, recovered rate, and fatality rate.
- Data visualization on map to obtain valuable information geographycally

- Provide filter and interactive control so that users can see data visualization by province and specific time period.

Telco Customer Churn Prediction – **Binar Academy**   November 2023
- Performed data analysis on the Telco customer dataset like cleaned the data, explored variables, and identified relevant patterns or trends.
- Built predictive models using various algorithms such as Gradien Boosting, Random Forest, Linear regression and mony others using Lazypredict python library. After that, conducted feature selection, cross-validation, and hyperparameter tuning to ensure an optimal model.
- Evaluated model performance using metrics like Accuracy, Precision, Recall, and Area Under the Receiver Operating Characteristic Curve (AUC-ROC).
- Analyzed feature importance within the model and identified factors influencing churn decisions.

Bike-Sharing Analysis – **Dicoding**   November 2023
- Conducted comprehensive analysis of bike sharing data to uncover usage patterns and trends.
- Performed data cleaning and preprocessing to ensure accuracy and reliability of the dataset.
- Utilized Python programming language in Google Collab IDE for data manipulation and analysis.
- Created visualizations to represent data insights effectively, aiding in the storytelling aspect of data analysis.
- Developed an interactive dashboard using Streamlit, providing a user-friendly interface for data exploration.

ORGANIZATIONAL EXPERIENCE

HMTG Mayapada ITERA   Apr 2021 - Jan 2022

Head of Division Mayapada Wellfare
- Managed aspirations for HMTG Mayapada ITERA.
- Organized webinars attended by around 200 people.
- Collected and distributing condolence funds to grieving students and disaster-affected communities.
- Collaborated with members to create social media content about Mental Health.

Himpunan Mahasiswa Geofisika Indonesia Region 1   Apr 2021 - Mar 2022

Legislation Commission
- Coordinated with members of other regions in maintaining the actualization of the HMGI bylaws/GBHK.
- Collaborated with the central Legislation Commission in organizing National Coordination Meetings and National Deliberations.

CERTIFICATE

- **Google Data Analytics Certificate**, *Coursera* (February 2024)
- **Intro to Data Analytics**, *Revou* (January 2024)
- **Data Science Track,** *Dicoding* (December 2023)
- **Python and Machine Learning Track,** *Dicoding* (December 2022)

SKILLS

- o **Technical skills**
  - Python (Pandas, NumPy, Seaborn, Matplotlib)
  - SQL
  - Machine Learning (Supervised and Unsupervised)
  - Deep Learning
  - Statistics and Probability
  - Linear Algebra
  - Data Analysis
  - Data Visualization (Looker, Tableau)
  - Excel (Pivot Table, Conditional Formating, VLookup)
  - BigQuery
  - VSCode
  - Streamlit
  - Jupyter Notebook
  - Spreadsheet

- o **Soft skills**
  - Good oral and written communication skills
  - Analytical thinking
  - Problem solving skills
  - Attention to Detail
  - Fast learner
  - Leadership
  - Time Management
  - Adaptability
  - An ability to work as a team or independently
  - Likes to explore new knowledge