Dicky Ramadhan, S.Si.

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Summary

Bachelor of Science in Mathematics from Universitas Negeri Yogyakarta with a strong background in quantitative analysis. Experienced in end-to-end data processing, ranging from data validation and cleaning to statistical modeling and machine learning. Proficient in Python, SQL, and Tableau to transform complex datasets into strategic business insights. Ready to leverage data management and analytical skills to support data-driven decision-making processes.

Education

Universitas Negeri Yogyakarta
Bachelor of Mathematics – GBA 3.33/4.00 (September 2020 – July 2024)

Work & Internship Experience

PT Jasa Prima Logistik BULOG (Cilacap, Indonesia)
Project Based: Data Validator (October 2024 – December 2024)
- Validated food distribution data and documents using Excel and Spreadsheets, ensuring compliance with SOP and coordinating improvements with relevant teams.
- Developed automation scripts using Python to streamline document formatting and data adjustment processes, significantly improving workflow efficiency.
- Promoted to Sub-Coordinator of the Gumilir Validation Team in the second month.

BAPEDA Kota Yogyakarta (Yogyakarta, Indonesia)
Internship: Surveyor Data Analyst (September 2023 - November 2023)
- Conducted surveys and compiled comprehensive analytical reports used as data-driven recommendations for infrastructure development planning by BAPPEDA.
- Implemented K-Means Clustering algorithms using Python to map and categorize the facility needs for people with disabilities in Yogyakarta.

Featured Projects

Credit Risk Scoring Model (Fintech Case Study)
- Developed a credit default risk prediction model using the LightGBM algorithm, achieving an AUC score of 0.77. Implemented Explainable AI (SHAP) to ensure model transparency and interpretability for credit approval decisions.

End-to-End Motorcycle Sales Analysis (Fintech Case Study)
- Performed ETL (Extract, Transform, Load) processes on sales data using Google Sheets and BigQuery. Built interactive dashboards in Looker Studio to visualize sales trends and product performance as strategic business inputs.

Stock Portfolio Optimization (Undergraduate Thesis)
- Constructed an investment asset allocation optimization model combining investor preferences (Analytic Hierarchy Process / AHP) and risk management (Mean-Variance).

Skills

- **Analytics & ML:** Python, Scikit-Learn, Statistics, Forecasting, Clustering, Optimization.
- **Data Visualization:** Tableau, Power BI, Looker Studio, Matplotlib, Seaborn.
- **Data Management:** SQL (ETL), BigQuery, Excel (Pivot, VBA), Data Cleaning & Validation.

Course

- **RevoU (2024):** Intro to Data Analyst (Python, Excel, SQL, data Tableau).
- **Egelang Academy (2024)**: Full-Stack Website Course (Next.js, Cloudflare)