Rafael John

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Objective

Detail-oriented and motivated Computer Science student specializing in Data Analytics, seeking an internship to apply expertise in data cleaning, visualization, and statistical analysis. Skilled in Python, R, SQL, Power BI, and Tableau with practical experience in machine learning, predictive modeling, and database design. Passionate about leveraging data to drive insightful business decisions.

Education

Bachelor of Computer Science (Specialization: Data Analytics)
Asia Pacific University of Technology and Innovation, Malaysia — 2023–2026

High School Diploma, Science
Loyola College, Semarang, Indonesia — 2020–2023

Projects

- Phishing Detection Model

  - Developed and deployed a phishing detection model using Python, Pandas, and Scikit-learn to classify URLs as phishing or legitimate.
  - Extracted features such as URL length, domain structure, and special characters, achieving high detection accuracy through optimized feature engineering.

- Credit Risk Analysis

  - Performed data cleaning and preprocessing in RStudio, handling missing values and outliers using boxplots and statistical tests.
  - Applied logistic regression and decision tree models to assess loan default risk.
  - Used ggplot2 for data visualization, enabling stakeholders to make informed lending decisions.

- E-Library Management System

  - Designed and implemented an SQL-based relational database to manage books, members, and borrowing records.

- Enforced primary and foreign keys to maintain data integrity and optimize query performance.

Certifications

- Python for Data Analysis — Great Learning (Feb 2025)
- Data Analytics with Python Workshop (Mar 2025)

Skills

Programming & Tools: Python, R, SQL, C, C++, Java, Pandas, NumPy, Scikit-learn, ggplot2, Jupyter Notebook

Data Visualization: Power BI, Tableau, Excel

Soft Skills: Problem-Solving, Communication, Teamwork, Time Management

Languages: English (Bilingual Proficiency), Indonesian (Native)