

MUHAMMAD RIZQ RAMADHAN

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As a **4th semester** student in an employee class, I am enthusiastic about pursuing opportunities in the data field to gain practical experience. I am passionate to collaborate with cross-functional teams to contribute my skills in data analysis, programming, and problem-solving to a dynamic team.

EDUCATION

Universitas Dian Nusantara (2021 – Early 2025)

Computer Science with **cumulative IPK 3.48**

PERSONAL PROJECT

Deploying a Model with Pizza or Pasta Recognition to Local Host

- Scraped and organized a dataset of pizza and pasta images for training and validation with python using `bing-image-downloader` library website.
- Developed a Convolutional Neural Network (CNN) model with TensorFlow and achieved an **86% accuracy rate**, also deployed the model to local host using python library Flask for real-time classification.

Sentiment Analysis for Batik Air Reviews

- Implemented web scraping techniques with python using Beautiful Soup library, to gather Batik Air reviews data from Airline Quality.
- Utilized the Vader Sentiment library for in-depth sentiment analysis of the collected reviews.
- Developed a visualization of segmentation customer sentiment and used Word Cloud to preset customer feedback patterns.

Bike Sharing Analysis

- Conducted data cleaning, manipulation, and visualization techniques, ensuring the dataset's accuracy and usability using python libraries Pandas and NumPy.
- Exploring the correlations between user behavior by season, weather, temperature, and hour to identify bike sharing patterns using matplotlib and seaborn.

Work Experience

Calibration Specialist

PT. Suryaraya Rubberindo Industries (Mart, 2021 – Mart, 2023)

- Implementation of measuring instruments and testing such as dial gauges, pressure gauges, weighing scales, and calipers to ensure accuracy within $\pm 0.5\%$ tolerance
- Successfully achieved an average target of 90% on schedule
- Calibrated over 1,000 instruments annually; >15 portable measuring instruments and >54 machines per day
- Repair and develop damages measuring instruments, minimizing downtime, and ensuring production efficiency

ADDITIONAL

Technical Skills: Python (include pandas, matplotlib, seaborn, TensorFlow, scikit-learn), Excel, SQL, Power BI

Languages: Intermediate English in writing and speaking

Certifications & Training: Dicoding Data Science Online Courses, Microsoft Excel (Udemy)

[Click heres](#) to learn more about all my personal project.