

# 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

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### Universitas Dian Nusantara (2021 – Early 2025)

Computer Science with **cumulative IPK 3.48**

## PERSONAL PROJECT

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### 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

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### 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

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**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.*