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.

PERSONAL PROJECT

End-to-End Deploying a CNN Model to Local Host

- Scraped and organized a dataset of pizza and pasta images for training and validation with bing-image-downloader.
- Developed a CNN model with **86% accuracy rate** on the test set and deployed the model to local host using python libraries Flask for real-time classification.

Alphabet Recognition with CNNs Model

- Developed a Convolutional Neural Networks (CNNs) model with TensorFlow, specifically designed to recognize lowercase alphabets from binary arrays.
- Achieved an impressive **accuracy rate of 85%** in the CNNs model by implementing custom early stopping callbacks, dropout layers, and L2 regularization techniques to optimize the model's performance.

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.

Power BI: A Collected Dashboards

- Build a dashboard to visualize salary in the data field based on experience level and contract type, as well as the top job title, ratio of work type, and company size.
- Built a dashboard to track the most used bike sharing system by season, weather, temperature, and hour to identify bike sharing patterns.

Work Experience

Calibration Specialist

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

- Developed and implemented calibration procedures for a variety of measurement and testing equipment, including dial gauges, pressure gauges, weighing scales, and calipers.
- Maintain records of all calibration and maintenance activities and provide training to other staff on the use and calibration of measurement and testing equipment.

EDUCATION

Universitas Dian Nusantara (2021 – Early 2025)

Computer Science with cumulative IPK 3.48

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 here to learn more about all my personal project.