Muhammad Rizq Ramadhan

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I am enthusiastic about pursuing opportunities in the *Software Engineering* 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 - Present

As 6th Semester **Computer Science** Student with Cumulative *IPK 3.48*.

Program

Dicoding x IDCamp Data Science 2023

- Gained expertise in data wrangling (cleaning, manipulation, and transformation) using Pandas and data visualization with Matplotlib and Seaborn.
- Exploratory data analysis to uncovering hidden trends and predicting unseen data behavior.

Work Experience

Calibration Specialist
2021 - 2023

PT. Suryaraya Rubberindo Industries

- Led and increased team performance by enforcing detail inspections and quality standards, eliminated root causes, resulting in achievement of over 95% quality targets.
- Coordinated production schedules across multiple divisions guaranteed on-time and high-quality delivery, exceeding user satisfaction expectations.
- Proactively Identified quality and production issues, preventing delays, and minimizing production downtime, resulting smooth production flow, and maximized output.

Projects

Optimizing Data Processing with Concurrency | *Golang, Gorm (Postgres), Gin*

- Developed a concurrent data processing using goroutines for efficient processing of 15001 CSV and 1000 JSON data into PostgreSQL within a second.

Management API for Animal-Grooming | *Typescript, Express, Prisma (MySQL)*

- Developed a robust RESTful API utilizing TypeScript and Express.js, integrating Prisma for efficient database management.
- Implemented Zod Types for type validation with JWT token for token authentication for secure authorization.

Bike Sharing Analysis | *Python, Pandas, NumPy, Seaborn, Matplotlib*

- 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.

Technical Skills

Languages   : Python, Go, Typescript, SQL
Frameworks : Flask, Gin, Gorm, Express, Boostrap
Libraries   : Pandas, NumPy, Matplotlib, Seaborn