Muhammad Rizq Ramadhan

+6287878838015 | linkedin.com/in/rizqramadhan/ | github.com/egrizq |
rizq.ramadhan17@gmail.com | rizq-ramadhan.vercel.app

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 5th Semester **Computer Science** Student in _Employee Class_ with Cumulative _IPK 3.42_.

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