

Muhammad Rizq Ramadhan

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Education

Universitas Dian Nusantara

2021 - Present

As 5th Semester Computer Science Student in *Employee Class* with Cumulative *IPK 3.42*, flexible and adaptable individual who can work during the day due to my evening class schedule.

Projects

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

- Developed a robust RESTful API utilizing TypeScript and Express.js, integrating Prisma for efficient database management.
- Implemented Zod for type validation, ensuring data integrity throughout the application. JWT token authentication for secure admin authorization.

Text Summarization | *Python, Flask, Javascript, Bootstrap*

- Create summarization from english text into concise bahasa with LLM models and Google-Trans library to translate the text.
- Developed a Flask API backend for processing Large Language Model (LLM) requests through asynchronous Javascript interactions. The front-end employs Bootstrap for a user-friendly interface.

Image Recognition | *Python, Flask, Javascript, Bootstrap*

- Scraped and organized a dataset image for training and validation with python using bing-image-downloader library.
- Developed a high-accuracy (86%) real-time image recognition system using a TensorFlow-based Convolutional Neural Network (CNN) and Flask deployment in local development.

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.

Technical Skills

Languages : Python, Go, Javascript, Typescript, Sql

Frameworks : Flask, Gin, Gorm, Express, Bootstrap

Libraries : Pandas, Numpy, Matplotlib, Seaborn