Muhammad Rizq Ramadhan

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Education

Universitas Dian Nusantara   2021 - Now
5th *Semester Computer Science with Cumulative IPK 3.42*

Projects

Golang RESTful | *Go, Gin, Gorm, Mysql, HTML, CSS*

- Implemented REST API for CRUD operations with MySQL database.
- Building web applications with gin and implement middleware, routing, request handling, error handling and database interactions with gorm.

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

- 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, Boostrap*

- Scraped and organized a dataset of pizza and pasta images 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

- Proficient in calibrating and testing a wide range of measurement tools, such as dial gauges, pressure gauges, weighing scales, and calipers, ensuring precision within ±0.5% tolerance.
- Consistently led the team to achieve performance targets with an average rate of 90% on schedule.
- Skilled in repairing and enhancing damaged measuring instruments to reduce downtime and optimize production efficiency.

Technical Skills

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