Muhammad Rizq Ramadhan

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Education

Universitas Dian Nusantara   2021 - Now

5th Semester Computer Science with Cumulative IPK 3.44

Projects

Golang Playground | *Go, Gin, Gorm, Mysql, MongoDB, HTML, CSS*

- Implemented RESTful 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.
- Implemented Flask as a back-end to serve server side to process LLM via API and Javascript for asynchonous process in front-end interactions with boostrap.

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 Convolutional Neural Network (CNN) model with TensorFlow and achieved an 86% accuracy rate, deployed the model to local host using Flask for real-time image recognition.

Work Experience

Calibration Specialist   2021 - 2023

PT. Suryaraya Rubberindo Industries

- Calibrate and testing variety of measurement tools, including dial gauges, pressure gauges, weighing scales, and calipers to ensure accuracy within ±0.5% tolerance.
- Successfully achieved an average target of 90% on schedule
- Maintain records of all calibration activities and provide training to other staff on the use and calibration of measurement and testing equipment.

Technical Skills

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