Fadil Risdian Ansori

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Summary

Highly motivated and detail-oriented Computer Science graduate from IPB University with experience in machine learning and computer vision. Skilled in Python, PyTorch, TensorFlow, and Docker. I am seeking an AI/ML Engineer, Data Scientist, and Data Analyst role where I can apply my skills and knowledge to develop innovative solutions.

Education

IPB University **Bogor, Indonesia**
Undergraduate, Computer Science - GPA: 3.24 Aug 2018 - Des 2022

Bangkit Academy By Google, Tokopedia, Gojek, & Traveloka **Indonesia**
Machine Learning Path Jan 2022 - July 2022

Skills

Programming Language: Python, R
Tools: SQL, Linux, Docker, FiftyOne, Streamlit, OpenCV, MLFlow, Pandas, Numpy, Matplotlib, Tensorflow, Keras, PyTorch, and Scikit-Learn
Applied ML: Image classification, object detection, clustering, and prediction

Experience

Perqara **Jakarta, Indonesia**
Data Scientist Mar 2023 - now

- Proficiently employing web scraping techniques to extract and gather notary data from online sources in Indonesia.
- Collaborating with cross-functional teams to implement data-driven strategies and optimize business processes.
- Leading the creation of Time Series Forecasting models to meet CEO-set performance targets
- Initiating MLOps practices within the data team to streamline machine learning model development and deployment processes.
- Implementing a sentiment analysis model to understand user feedback and preferences.

Nodeflux **Jakarta, Indonesia**
Artificial Intelligence Engineer Intern Aug 2022 - Des 2022

- Interned at Nodeflux, a company specializing in AI and computer vision solutions, and developed a system to count the number of people in an area and provide their gender, age range, and attributes as a new product.
- Implemented state-of-the-art techniques using PyTorch
- Designed and deployed computer vision applications using Docker and Streamlit.
- Improved model performance with Active Learning and FiftyOne and tracked training progress with MLFlow.

Project

Screening of Potential Indonesia Herbal Compounds Based As Obesity Drug Using Stacked Autoencoder-Deep Neural Network Link
Undergraduate Thesis

- Predicted obesity drug candidates using multi-label classification with Stacked Autoencoder-Deep Neural Network

- Improved model accuracy to 82% with a recall of 86%, precision of 85%, and F-measure of 84%

People Demographic Recognition
Nodeflux
- Developed a system to detect and crop people images using Yolov7, and trained a multilabel classification model using ResNet50 as the backbone on the PA-100K dataset (100,000 large pedestrian attribute images with 26 labels collected from outdoor surveillance cameras)
- Achieved a model mean average precision (mA) of 80%, accuracy of 78%, recall of 86%, precision of 88%, and F-measure of 87%.
- Deployed the application using Docker on on-premise servers and monitored system performance using Grafana and Prometheus.

House Furniture Classifier Link
Bangkit
- Built a model using MobileNet V2 pre-trained model with over 90% accuracy on the house furniture images dataset
- Deployed machine learning models on mobile devices using TensorFlow Lite

Human Gender Classifier Link
Personal
- Classified human gender based on image data using transfer learning with InceptionV3
- Achieved an accuracy rate of 93.67% and a validation accuracy rate of 85.94% on data obtained from the Statistika Ria dan Festival Sains Data 2021 Competition.

Course Certifications

Coursera **2022**

- DeepLearning.AI TensorFlow Developer Credential
- TensorFlow: Data and Deployment Credential
- Google IT Automation with Python Credential
- Mathematics for Machine Learning Credential