

Sulthan Dhafir Rafief

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linkedin.com/in/sulthandhafirrafief | My Portfolio

PROFILE

An active Information Technology student at President University with a strong interest in data analysis, data science, and artificial intelligence. Skilled in Python, TensorFlow, and scikit-learn, with strong capabilities in developing machine learning models, deep learning architectures, and end-to-end data pipelines. Leadership experience as Minister of Student Activity at President University Student Board, where I sharpened my ability to lead teams, solve problems efficiently, and manage multiple priorities under pressure.

SKILLS

- **Soft Skills:** Analytical Thinking, Attention to Detail, Problem Solving, Initiative, Teamwork, Time Management, Leadership
- **Hard Skills:** Python, Scikit-learn, TensorFlow, Keras, Data Preprocessing, Model Evaluation, Deep Learning, Computer Vision
- **Tools:** Jupyter Notebook, Google Colab, OpenCV, TensorFlow, Gradio, Hugging Face Spaces, gTTS, Albumentations

PROJECTS

Plastic Bottle Defect Detection 2025

Client Project – Solos, Qatar

- Developed a plastic bottle defect detection system using YOLOv5 on real-world industrial data.
- Applied image preprocessing and advanced augmentation techniques using Albumentations.
- Achieved high detection accuracy and real-time performance for automated production use

Sign to Speech AI 2025

Personal Project

- Developed a real-time sign detection system using YOLOv11n and OpenCV, with voice output generated using gTTS.
- Deployed locally with a Python GUI as a prototype for testing and validation.

Vehicle Classification 2025

Course Project

- Developed an image classification model to recognize different vehicle types using CNN.
- Processed and augmented the dataset, trained the model with TensorFlow, and evaluated performance using accuracy and confusion matrix.
- Deployed the model to Hugging Face Spaces using Gradio for real-time user interaction.

CERTIFICATIONS

- **Create Machine Learning Models in Microsoft Azure** – Microsoft / Coursera July 2025
- **Python for Data Science, AI & Development** – IBM / Coursera June 2025
- **Python Project for Data Science** – IBM / Coursera June 2025
- **Databases and SQL for Data Science with Python** – IBM / Coursera June 2025

EDUCATION

President University | Bachelor of Information Technology
Cikarang, Indonesia | 2023 – Present

Cikarang, Indonesia | **2023 – Present**

- Cumulative **GPA**: 3.97/4.00

Relevant Coursework: Data Structures and Algorithms, Machine Learning, Deep Learning, Database Systems, Computer Vision, Artificial Intelligence, Software Engineering, Web Programming, Statistics for Data Science

ORGANIZATION EXPERIENCE

Project Manager – Student Awarding Night 2024 November 2024

November 2024

- Led a campus-scale event of 200+ people, managing timeline alignment, team coordination, and final decision-making to ensure successful execution.

Minister of Student Activity – President University Student Board (*BEM Universitas*) October 2024

October 2024

- Supervised 7 student events by managing schedules, monitoring execution, and ensuring timely reporting.

Vice Project Manager – Grant of Hopes 2024 April 2024

April 2024

- Assisted in leading event planning, division coordination, and external negotiations, contributing to successful fundraising beyond target and smooth team execution.

LANGUAGES

- Indonesian
- English

- English