Fadhil Umar Al Farouq

Alam Raya 2, Bekasi City | 082127005971 | fadhilumar.af@gmail.com | [linkedIn](#) | [GitHub](#) | [Website](#)

Professional Summary

Data Intelligence professional with international-level certifications in Data, AI, and Cloud Computing from top providers. Graduated from the University of Indonesia majoring Electrical Engineering in 3.5 years with Cum Laude distinction. Have a data-driven mindset with passion in utilizing data and cutting-edge technology into actionable insights that elevate business efficiency. Expertise in various programming languages and frameworks complemented by strong collaboration skills, honed through hands-on experience. Excel in fast-paced environments, dedicated to continuous growth and innovation.

Skills

Python Programming, C Programming, R Programming, Javascript, CSS, HTML, SQL, NoSQL, DBMS, ETL, Apache Airflow, Apache Kafka, Tableau, Matplotlib, Seaborn, Tensorflow, Pytorch, Hugging Face, MATLAB, Git, Linux, GCP, AWS.

Work Experience

ARTIFICIAL INTELLIGENCE ENGINEER | MARCH 2024 – JUNE 2024
Angusta Systems | Remote

- Developed a simulation algorithm and an AutoML pipeline for an AI-assisted predictive system, improving client software products.
- Led the development of a digital healthcare system, enhancing remote health assessments with computer vision and integrating an intervention model with multi-modal capabilities.
- Conducted extensive research and implementation of LLM for clinical notes extraction, content generation using RAG, and on-demand consultation system with speech-to-text capabilities.

DIGITALIZATION ENGINEER | FEBRUARY 2023 – AUGUST 2023
PT. Mitsubishi Krama Yudha Motors and Manufacturing | Bekasi, West Java

- Developed an OEE Monitoring Dashboard and Maintenance System utilizing SCADA system as a company-wide digitalization effort, contributing to a 12% increase in asset productivity.
- Managed SQL Server databases using SSMS and develop a real-time data processing pipeline for seamless OEE calculation and performance analysis on two production lines.
- Designed 10+ interactive web dashboards and forms using ICONICS for comprehensive OEE monitoring, allowing real-time analysis, data collection, and troubleshooting for production losses.

Organization

HEAD OF ACADEMIC AND PROFESSION DIVISION | DECEMBER 2021 – DECEMBER 2022
Ikatan Mahasiswa Elektro (IME) FTUI 2022 | Depok, West Java

- Led a 20-member team to advocate the academic and postgraduate needs of 500+ electrical engineering students.

- Conducted 7 work programs and implemented 6 habits, including alumni sharing sessions and certification initiatives, enhancing student engagement and career development opportunities.

Education

BACHELOR OF ENGINEERING IN ELECTRICAL ENGINEERING | AUGUST 2020 - MARCH 2024

University of Indonesia | GPA : 3.67 (Cumlaude) | Depok, West Java

- **Thesis** : Optimizing Long-Term Biomass Supply Chains: A Deep Learning and Mixed Integer Linear Programming Approach
- **Remarks** : One year contract as lecturer's assistant for electrical physics course

AWS ML/AI SCHOLARSHIP WINTER COHORT 2023 | OCTOBER 2023 - DECEMBER 2023

AI Programming with Python Nanodegree | Remote

- Selected as one of 2000 awardees worldwide through international selection process.
- Developed a CLI application for dog breed classification and flower classification utilizing PyTorch with best practices to achieve state-of-the-art performance

AWS ADVANCED ML/AI SCHOLARSHIP COHORT 2024 | APRIL 2024 – JUNE 2024

AWS Machine Learning Fundamentals Nanodegree | Remote

- Selected as one of 500 awardees worldwide through the pool of alumni from previous program.
- Developed an AutoML development pipeline using AWS Sagemaker for rapid model development.
- Developed an extensive cloud-based ML Workflow in AWS Setting utilizing training jobs, endpoints, lambda function, and step function for business needs,

Certifications

GOOGLE DATA ANALYTICS | OCTOBER 2023

Coursera | Data Collection, Data Cleaning, Data Visualization, Data Ethics, R Programming, Dashboard

GOOGLE IT AUTOMATION WITH PYTHON | AUGUST 2023

Coursera | Python, Scripting, Automation, Cloud, Git, Shell

DEEPLEARNING.AI TENSORFLOW DEVELOPER | MAY 2023

Coursera | Neural Network, Deep Learning, Tensorflow, Computer Vision, Forecasting, NLP

DEEPLEARNING.AI DEEP LEARNING SPECIALIZATION | APRIL 2023

Coursera | Neural Network, Deep Learning, Computer Vision, Diffusion, LLM, NLP

IBM DATA SCIENCE PROFESSIONAL CERTIFICATE | FEBURARY 2023

Coursera | Data Collection, Data Cleaning, Data Wrangling, Data Visualization, Web Scraping, API, Dashboard, SQL, Machine Learning

Projects

YOLOV8-CRNN SCENE TEXT RECOGNITION | FEBRUARY 2024

A two-step approach for Scene Text Recognition. Utilizes YOLOv8 model for precise text detection, followed by CRNN for accurate text recognition of detected texts.