Fadhil Umar Al Farouq

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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, Tableau, Matplotlib, Seaborn, Tensorflow, Pytorch, HuggingFace, MATLAB, Git, Linux, GCP, AWS.

Work Experience

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

- Spearheaded the design, development, and implementation of an AI Assisted Predictive System for client software products.
- Engineered a simulation algorithm and AutoML pipeline, streamlining access to predictive models with significant performance enhancements.
- Conducted extensive research on available LLMs models and conducted benchmark testing for company business requirements, focusing on applications such as Chatbots, NLP, Extraction, and RAG.

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. Reducing time spent on manual tasks.
- Designed 10+ interactive web dashboards and forms using ICONICS for comprehensive OEE monitoring, allowing real-time analysis, data collection, and troubleshooting for production losses.

CLOUD ENGINEER | NOVEMBER 2022 – FEBRUARY 2023
Torche Education | Bekasi, West Java

- Elevated GCP cloud infrastructure to new heights of stability, scalability, and security. implemented a comprehensive dashboard and alert system, ensuring proactive management and optimization.
- Spearheaded research initiatives on Multi-cloud and SaaS infrastructure, providing valuable insights that directly influenced the direction of future company projects and initiatives.
- Attained certifications in Alibaba Cloud and GCP, underscoring expertise in cloud computing and a commitment to continuous professional development.

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

Certifications

AI PROGRAMMING WITH PYTHON NANODEGREE | DECEMBER 2023
AWS AI/ML Scholarship Program | Neural Network, Deep Learning, Computer Vision, PyTorch

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.

STREAMLIT ZERO-SHOT TEXT CLASSIFICATION| MARCH 2024
The Zero-Shot Text Classification App, developed as part of the 30-Day Streamlit Challenge, utilizes pre-trained models from Hugging Face to categorize text into predefined classes without prior training.