



ZIYAD MUHAMMAD ADZIN AZZUFARI

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Jl. Krakatau IX Komplek BPP Sanky A6 nomor 13

I am a data analyst and data scientist with a background in mathematics from the University of Lampung. I have experience at PT Krakatau Steel as an intern and at PT INEOS Aromatics Indonesia as a visualize data inspection. I am proficient in various analytical software, including Python, Minitab, SAS, and R-Studio, and I possess skills in machine learning, deep learning, computer vision, sentiment analysis, and large language models. I have handled various independent projects, including sentiment analysis on Google News headlines about "Jokowi" from 2019 to 2024 using GEMMA 2 9B Instruct, as well as the implementation of the YOLOv8 and TrOCR models to detect violations in motor vehicles.

Experience

Jajanan Digital - Serang, Banten

Mar 2021 - Present

Store Owner

Jajanan Digital is an online store specializing in digital products, offering a wide range of services such as mobile top-ups, data packages, gaming vouchers, electricity tokens, and e-wallet services.

- I have four online stores: Bukalapak, Blibli, Itemku, and VCGamers.
- I have generated over 200 million IDR in revenue during my operations.

Data Mining - Jl.Prof. Sumantri Brojonegoro No.1, Gedong Meneng, Bandar Lampung.

Mar 2023 - May 2023

Assistant Lecturer

- As a teaching assistant, I will help students understand the fundamental concepts of machine learning relevant to Data Mining, such as classification algorithms, regression, clustering, and association. I will assist in providing explanations and examples of how these algorithms are used in data analysis, as well as support students in applying the algorithms to relevant datasets.

Bangkit Academy led by Google, GoTo, & Traveloka | Machine Learning Path 2023

Aug 2023 - Jan 2024

Cohort

Bangkit is a training program sponsored by Google, GoTo, and Traveloka, consisting of three learning paths: Machine Learning, Android Development, and Cloud Computing.

- Mastered Machine Learning concepts and tools (Python, Mathematics, TensorFlow). Developed essential soft skills (growth mindset, time management, critical thinking). Improved English communication skills through ILT English classes. Completed self-paced learning tasks on Coursera and Dicoding. Actively participated in Student Team Meetings and discussions. Attended weekly consultations for guidance and reminders. Successfully completed the Capstone Project in collaboration with a team.

PT Krakatau Steel - Cilegon-Cigading Plant Site Banten 42435, Indonesia

Jan 2023 -

Intern/Production Planning and Control

PT Krakatau Steel Tbk is the largest steel manufacturer in Indonesia, headquartered in Cilegon, Banten.

- Creating a report to predict the production of the cold rolling mill from January 2023 to June 2023.

PT INEOS Aromatics Indonesia - Jl. Raya Merak KM. 116, Kel. Rawa Arum. Kec. Grogol Cilegon Banten 42436, Indonesia

Nov 2024 - Present

Visualize data inspection

PT INEOS Aromatics Indonesia produces materials used to manufacture thousands of essential items, such as soft drink bottles and packaging trays, clothing and carpets, solar panels and circuit boards, medical shields, and face masks.

- Automating the results of vendor reports into the master piping plan format by matching the line numbers from the vendor reports with the line numbers in the master piping plan. Once matched, the inspection dates from the vendor reports are input into the master piping plan format.

Education

Universitas Lampung - Lampung, Indonesia

Sep 2020 - Nov 2024

Bachelor of Mathematics, 3.75/4.00

- A thesis report titled "Application of the You Only Look Once (YOLO) Model and Transformers Based on Optical Character Recognition for Detection and Reading of Vehicle License Plates."

Organization and Committee Experience

Polban chess competition - Bandung

Oct 2019

Administration

- Managing documents from competition participants.
- Handling registration fees.
- Reporting participant attendance every morning.

UKM Catur Polban - Bandung

Jul 2019 - May 2020

Member

DINAMIKA Unila XXII FMIPA Unila (Dies Natalis Jurusan Matematika) - Universitas Lampung

Public Relations and Publications

- Collecting email addresses of elementary, middle, and high schools in Lampung, West Java, Jakarta, Banten, and other regions to send invitations via email.
- Creating invitations and sending them to schools to participate in the competition.

Other

- **Projects** 📌 (2024): The use of American Sign Language (ASL) with the Vision Transformer model.
- **Projects** 📌 (2024): The use of American Sign Language (ASL) with the Swin Transformer model.
- **Projects** 📌 (2024): The application of the YOLOv8 model and TrOCR for detecting violations in motor vehicles.
- **Projects** 📌 (2024): Sentiment Analysis on Google News Headlines about "Jokowi" for the Period of 2019-2024 Using GEMMA 2 9B Instruct.
- **Projects** 📌 (2024): Sentiment Analysis on Google News Headlines about 'Fed Rate' Using Gemma 2.
- **Soft Skills**: R-Studio, Minitab, SPSS, Python, Mathematica, SAS, Microsoft Office, Team work, Adobe Premiere Pro
- **Competition** (2019): Kompetisi Catur Polban kategori Regu
- **Competition** (2022): Big Data Competition - Satria Data di Universitas Islam Indonesia
- **Achievements** 📌 (2024): Regular Securities Analyst
- **Webinars Attended** 📌 (2024): Awosome Day