Rifo Ahmad Genadi

Abu Dhabi, United Arab Emirates · rifoagenadi@gmail.com · +971 50 148 3203 ·
https://www.linkedin.com/in/rifogenadi/ · https://github.com/rifoagenadi/

Education

Mohamed Bin Zayed University of Artificial Intelligence · Abu Dhabi, United Arab Emirates
Master's degree in Natural Language Processing · Auguts 2024 - Present

Institut Teknologi Bandung · Bandung, Indonesia
Bachelor's degree in Informatics · August 2016 - July 2020

Work Experience

Sembly · Remote
Machine Learning Engineer · May 2022 - June 2024

- Various alternatives were explored and the content screening feature for a social media platform was implemented, including evaluation of toxicity, spam, relevancy, tentativeness, and clarity of the post.
- Implemented post-type classification pipeline.
- Conducted experiments on improving search feature by applying LLM to increase recall.
- Implemented stance classification pipeline.
- Implemented Entity Resolution model to match and de-duplicate entities/records when initializing internal knowledge base based on several external knowledge bases.
- Implemented post-summarization pipeline.

Datasaur · Remote
AI Engineer · October 2020 - April 2022

- Developed the AI-assisted annotation feature, allowing users to preannotate their dataset with a small amount of data.
- Developed PII anonymization feature to protect sensitive user information.
- Conducted PoC for active learning feature, which allows users to prioritize which data to focus on and annotate.

Institut Teknologi Bandung · Bandung, Indonesia
Teaching Assistant · January 2020 - July 2021

- Managed hands-on exercises and assisted student projects in several courses: Software Engineering Project (~150 students), Advanced Machine Learning (~40 students), and Big Data Technology (~25 students).

GDP Labs · Jakarta, Indonesia
Software Development Engineer Intern · May 2019 - August 2019

- Explored Web Assembly and its potential applications for QR Code reading and generation.
- Refactored back-end services using the NestJS framework, improving code maintainability, scalability, and enabling a modular architecture with built-in support for dependency injection and structured development, offering advantages over previous vanilla TypeScript.

Matagi Informasi Pertiwi · Tangerang, Indonesia
Javascript Developer Intern · May 2018 - July 2018

- Developed several website landing pages for clients as a full stack developer.
- Developed a website builder using Javascript tech stacks.

Projects

Object Material Classification using VLM for Robot Manipulation
Fine-tuned wide-range of Visual Language Model architectures on Object Material Classification task using QLoRA, making it possible to train in a smaller GPU.

Collaborative Text Editor
A text editor that can be edited collaboratively in real-time, uses CRDT data type.

Jabar-Viz-Masy

Site showing data visualization of Regional Revenue and Expenditure Budget Data of Jawa Barat Province of Indonesia

DIA Information System
A cosmetic factory information system

PUBLICATION

Synthetic Data Generation for Culturally Nuanced Commonsense Reasoning in Low-Resource Languages
compare three dataset creation strategies: (1) LLM-assisted dataset generation, (2) machine translation, and (3) human-written data by native speakers, to build a culturally nuanced story comprehension dataset. Our findings indicate that LLM-assisted data creation outperforms machine translation.

Opinion Triplet Extraction for Aspect-Based Sentiment Analysis Using Co-Extraction Approach
Proposed Transformers-based and RNN-based variants to do sentiment analysis for Indonesian Hotel Reviews. The proposed solutions have various levels of granularity with 70-90% accuracies.

AWARDS

Top 10 in Healthkathon 2024
BPJS Kesehatan Indonesia
August 2024

Finalist in Bank Indonesian Hackathon 2024
Bank Indonesia
August 2024

Champion Titan in Telkomsel Tech Titan League 2021 Series 3 - Machine Learning
Telkomsel
November 2021

3rd Place in Jakbee Hackathon 2020
Baznas Bazis DKI Jakarta
November 2020

1st Place in Kontes Robot Indonesia Regional 2 - KRSTI division
Indonesia Ministry of Research, Technology, and Higher Education
May 2019

Top 5 in Vacathon
Indonesia Ministry of Tourism
May 2019

Finalist in ICPC Asia-Jakarta Regional
ACM ICPC
October 2018

REFERENCES

Kentaro Inui - kentaro.inui@mbzuai.ac.ae
Fajri Koto - fajri.koto@mbzuai.ac.ae