Muhammad Zuhdi Fikri Johari

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Interest

Machine Learning, Big Data Analytics, Information Extraction, Natural Language Understanding, Data Mining, Data Discovery, Data Engineering, Data Science, Recommender System, Software Engineering.

Education

Universitas AMIKOM Yogyakarta | Sleman, DI Yogyakarta
S.Kom., Bachelor Informatics (on going)

Universitas AMIKOM Yogyakarta | Sleman, DI Yogyakarta
A.Md.Kom., Informatics Engineering (September 2018 - June 2021)
   — GPA: 3.95/4.00 [transcript]
   — Research: The Hybrid Recommender System of the Indonesian Online Market Products using IMDb weight rating and TF-IDF [pdf]

Experience

SILVANUS Project | Universitas AMIKOM Yogyakarta (Sleman, DI Yogyakarta)
Research Programmer (July 2022 - present)
   — Implementing mathematics model for fire spreading simulation into code using python programming.
   — Developing a back-end website using python programming for visualizing the result of a bayesian model from map area calculation in wildland disaster management.

PT. Global Data Inspirasi (Datains) | Sleman, DI Yogyakarta
Data Engineer (June 2021 - October 2022)
   — Developing monitoring interface, adding and improving features, and optimizing existing services.
   — Exploring data pipelines mechanism for visualizing geospatial data.
   — Doing ETL for data migration between SQL databases using enterprise tools.
   — Providing required data for ML engineers, data scientists, and data analyst team.
   — Most of the time working with social media data.

PT. Global Data Inspirasi (Datains) | Sleman, DI Yogyakarta
Data Engineer Intern (September 2020 - January 2021)
   — Worked on a machine learning project, with the main task of labeling training data.
   — Learning the basic ETL concept as the data engineering main task.

PT. Digital Kreasi Mediatama (Digito) | Sleman, DI Yogyakarta
Script Writer (July 2020 - October 2021)
   — Involved in production teams to make animation video explainers for client companies.
   — Main task is to create a script and storyline draft based on company learning materials.

Universitas AMIKOM Yogyakarta | Sleman, DI Yogyakarta
Practicum Assistant (September 2019 - February 2020)
   — Tutor and lab accompaniment for the operating system courses, with subject matter knows how to set-up an operating system for basic system administrator using linux and freebsd.

Projects

Hybrid Indonesia Marketplace Recommender System https://github.com/ikkifik/hybrid-recsys-mp

Recommendation system using Indonesia marketplace data with IMDb weighted rating formula and content-based filtering, this project developed in order to qualify requirements for diploma degree.

fb-automate-remove-personal-post https://github.com/ikkifik/fb-automate-remove-personal-post

Tools for automating removing personal posts from facebook feed. This personal project was built using python for browser automation.

fb-automate-remove-message https://github.com/ikkifik/fb-automate-remove-message

Tools for automating remove all personal chat messages. This personal project was built using python for browser automation.

fb-automate-group-leave https://github.com/ikkifik/fb-automate-group-leave

Tools for automating facebook groups leaving with targeted groups. This personal project was built using python for browser automation.

Publications

The Hybrid Recommender System of the Indonesian Online Market Products using IMDb weight rating and TF-IDF
- Journal: Jurnal RESTI (Rekayasa Sistem Dan Teknologi Informasi), 5(5), 2021. 977 - 983.
- DOI: https://doi.org/10.29207/resti.v5i5.3486

Volunteering & Skills

Volunteering:
- Diploma Informatics Student Association | Research and Development division | AMIKOM
  - Lead Division (Act.), Event Chairman and Instructor at Student Bootcamp.
- Islamic Organization Unit | Regeneration division | AMIKOM
  - Event Chairman at "Moslem Jamboree", Lead Event Division at "Ramadan at Campus" 2020.

Skills:
- Language: Indonesian (native), Javanese (native), English (intermediate)
- Technical skills: Python, SQL, NoSQL, Documentation (Markdown), Shell scripting, Linux (Ubuntu)