

HAIDAR AHMAD FAJRI

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As a recent graduate from the Department of Mathematics at Brawijaya University, I am deeply passionate about data analysis, programming, mathematics, and machine learning. I am proficient in Microsoft Office and various mathematical software. My interests include real and applied analysis, with a focus on research development in mathematics and machine learning. Through various data science and machine learning projects, I have gained experience in data collection, processing, and model implementation. I am committed to leveraging my expertise in mathematics and machine learning to contribute to innovative research and development, and to collaborate with industry professionals to achieve impactful results.

Work Experiences

Universitas Brawijaya - Malang

Feb 2021 - Aug 2024

Assitant Lecture

- Kalkulus I, II, III in 2021 and 2022
 - Responsible for providing additional material, assignments and exams for calculus I, II, and III courses.
- Pengantar Fungsi Kompleks I 2022
 - Responsible for providing additional material, assignments and exams for the Complex Function I course.
- Persamaan Diferensial Parsial
 - Responsible for providing additional material, assignments and exams for the differential partial course.

Tentor Malang - Malang

Sep 2022 - Dec 2023

Privat Tentor

- Succeeded in increasing student scores in mathematics.

Braincore. Id - Jakarta

Jan 2024 - Present

RnD

- Successfully wrote a research article on Deepface with the title "Implementasi DeepFace untuk Analisis Ekspresi Wajah pada Debat Calon Wakil Presiden Republik Indonesia".
- Working on a research article about SafeDrive using the Yolo model and pipeline.
- Successfully wrote a research article on the Implementation of Speech Recognition Whisper at the Vice Presidential Candidate Debate of the Republic of Indonesia.

Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka - Bandung

Feb 2024 - Present

Mentor

- Successfully created materials for weekly consultation.
- Successful in making the Bangkit cohort focused on its activities and running smoothly and graduating on time.
- Successfully made the Bangkit cohort able to understand the material better by creating tips and tricks and examples of material.
- Successfully assisted cohort activities during periods.
- Earned a rating of 4.7-5.0/5.0 from the cohort.

Education Level

Universitas Brawijaya - Malang

Aug 2020 - May 2024

Bachelor Degree in Mathematics, 3.80/4.00

- SEMFINALIS FMC UNM AND PKM MABA 2021.
- MIP TENTOR FOR CALCULUS I-II, PARTIAL DIFFERENTIAL AND COMPLEX FUNCTION 2021-2024.
- Completed the thesis with the theme of real analysis quickly and on time (4 months).

Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka

Feb 2023 - Jul 2023

Certificate in

- Distincton Graduate in Machine Learning
- TensorFlow Developer Certificate
- Successfully created a machine learning model for predicting plant diseases in rice and a recommendation system for the prediction results

Organisational and Committe Experience

HIMPUNAN MATEMATIKA DAN AKTUARIA (HIMATIKA) - Malang

Mar 2021 - Jan 2022

Scientific Staff

- Successfully make new and fresh concept for several work program like SIGMA 2021, some webinar, and others.

- Became the head of the division for several work programs, reliable in matters of design for several work programs.
- Become DDM staff in PEMNAS 2021 and successfully made some design also remodel website.

RISET DAN KEILMIAHAN (RITMA) FMIPA UB - Malang

Dec 2020 - Jan 2022

Competition Staff

- Successfully made research and scientific article of milk crackers.
- Successfully made several work program designs such as virtual background, cover, and others.
- Became deputy chairman of SCIENCESAURUS 2021 and managed to run the event well.

INDONESIAN YOUTH OPPORTUNITIES IN INTERNATIONAL (IYOIN) MALANG - Malang

Jun 2022 - Present

Additional Staff

- Become host in podcast Waktu Indonesia Bercerita 2022.
- Become MC in Peduli Malang 2022 and inCourse 2021.
- Successfully made concept and event for several work programs.

PEMILWA FMIPA UB - Malang

Sep 2020 - Feb 2021

Event staff

- Successfully made concept during the event and MC in closed debate.

Project and Others

- **Data Science** (2022): Create visualization regarding mapping of discrete 1-dimensional data.
- **Academic Paper** (2022): Dynamic system analysis of the mathematical model of the effect of giving gadgets to toddlers.
- **Academic Paper** (2022): Disease Segmentation on Tomato Leaf Image with K-Means Cluster Method via HSV Color Space.
- **Technical Skills**: Maple, Matlab, Calculus, Statistic, Geometry, Writing, Python.
- **Academic Paper** (2022): Analysis of the SIR Epidemic Method with Bilinear Infection Rates Using the Euler Method
- **Achievements**: Finalis LKTI West Jakarta, Finalis Olympics of Economic in SMAN 70 Jakarta, Gold Medal in GLOCOLIS 2023
- **Academic Paper** (2023): Improvisasi Klasifikasi Sentimen dengan Hybrid Transformers-CNN untuk Tweet pada Twitter
- **Data Science** (2024): While in the development of machine learning models in the use of heuristic