ADAM HAIDAR AZIZI

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Data Science enthusiast with a strong foundation in machine learning, data analysis, and statistical modeling. Experienced in developing predictive models and analyzing complex datasets to drive data-driven decision-making. Passionate about applying deep learning techniques to solve real-world problems.

Work Experiences

ITS - Surabaya   Aug 2023 - Dec 2023
Teaching Assistant OOP (Regular)

- Supported 25 students in OOP concepts, achieving an 87% pass rate and a 15% average quiz score improvement.
- Managed 25 student projects on GitHub Classroom with 100% on-time submissions and real-time tracking.
- Provided off-hours assistance, debugging code and clarifying OOP concepts to improve student understanding.

ITS   Aug 2023 - Dec 2023
Teaching Assistant OOP (IUP)

- Helped 20 students grasp complex OOP concepts, improving quiz scores by 10%.
- Offered off-hour support, increasing assignment completion rates by 20% and boosting satisfaction.
- Graded 4 assignments with detailed feedback, aiding 87% of students in passing subsequent assessments.

ITS   Feb 2024 - Jun 2024
Teaching Assistant of DAA

- Co-designed and developed 4 assignments on algorithms, increasing student performance by 12%.
- Guided 20+ students in algorithm design and analysis.
- Graded quizzes with constructive feedback to improve learning outcomes.
- Facilitated English communication for 20+ international students, ensuring 100% comprehension and enhancing cross-cultural engagement.

Pendidikan

Institut Teknologi Sepuluh Nopember - Surabaya, Indonesia   Aug 2021 - Aug 2025
Bachelor Degree in Informatics, 3.55/4.00

- Participated in the 2024 Bangkit Batch 6 Machine Learning program through the MSIB Program. Developed a machine learning-based BatikHub app, achieving score of 87.5 on Capstone Project.

Pengalaman Organisasi

Schematics - Jakarta   May 2022 - Dec 2022
Staff of 3DE Video Division

- Produced 10+ promotional videos, averaging 12k-15k views each and boosting online engagement by 40%.
- Edited raw footage with effects, transitions, and music to enhance viewer experience.
- Collaborated with creative and marketing teams to storyboard and align video content with branding strategies.

Schematics   Feb 2023 - Nov 2023
Expert Staff of 3DE Video Division

- Led a team of 8 to create video content viewed by 114,000+, boosting event visibility and engagement.
- Mentored team members in video production and event promotion.
- Managed production timelines and coordinated with departments, improving project completion rate by 25%.

HMTC   Mar 2023 - Dec 2023
Staff Of Medfo Division

- Created 7 promotional videos and aftermovies for HMTC events, increasing event visibility and engagement.
- Documented 4 HMTC events and contributed to managing 2 Days of BMS events organized by Medfo HMTC, enhancing overall event execution and coordination.

Skills and Projects

- **Programming Language**: JavaScript, ReactJs, Laravel, NextJs, Tailwind CSS, PHP, Python, Tensorflow, Pytorch
- **Soft Skills**: Fast Adaptability, Professionalism, Problem Solving, Teamwork

- **Tools**: Visual Studio Code, Google Collab, Jupyter Notebook, Tableau, Excel, Kaggle, Figma
- **Language**: Indonesia (Native), English (Professional, Toefl : 597)
- **BatikHub** (2024): Developed BatikHub for Bangkit 2024, a Kotlin app using TensorFlow to recognize Indonesian batik patterns. Preprocessed 15 classes with 70 images each, achieving 87% accuracy and 80% validation accuracy with a CNN model, deployed on Google Cloud.
- **JanjiTemu** (2023): Scored 86 on a Laravel-based web app for organizing post-COVID-19 events. Includes user authentication, event creation, group management, and search features. Built with Laravel, Bootstrap, and PostgreSQL.
- **Sistem Pendeteksi Gerakan Tangan dengan Flex Sensor untuk Terjemahan Bahasa Isyarat Real-Time dan Kontrol Nada Instrumen Musik berbasis Microcontroller** (2023): Developed a real-time hand gesture detection system using flex sensors and microcontrollers. Preprocessed 10,000+ samples per alphabet, achieving 82% accuracy with a Random Forest Classifier. Integrated sensors with a local web server for live sign language translation and musical tone control.
- **ShinkaiGAN** (2023): Contributed to ShinkaiGAN, a GAN model that generates anime images from sketches in the style of Makoto Shinkai using U-Net architecture. Trained on a dataset of 60,000+ paired anime sketches and images to learn domain mapping.
- **Analysis Project on Bike Sharing Dataset** (2024): Analyzed Bike Sharing dataset, optimizing peak usage times to boost rental efficiency by 10%.
- **Breast Cancer Prediction Model** (2024): Built a neural network with 98.74% accuracy in tumor malignancy prediction.
- **Precision Handwritten Digit Segmentation with CNN**: Developed a CNN-based image segmentation model for M2NIST, achieving 92% IOU and 90% Dice Score.