KIARA AZZAHRA

Data Analyst | Data Visualization & Insights | Machine Learning

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I'm a fresh graduate in Informatics from Universitas Muhammadiyah Malang, Indonesia. I have a strong interest in data analysis and machine learning, particularly in text and image-based projects. I have hands-on experience in data collection, preprocessing, and analysis, as well as creating predictive models and data visualizations. I'm eager to apply my skills and creativity to solve real-world problems and contribute to innovative technology projects.

EDUCATION

Universitas Muhammadiyah Malang — **Malang**
Bachelor of Informatics | GPA: 3.94/4.00 — 2021 – 2025

- Served as Laboratory Assistant for 3 years, guiding students during practical sessions and assisting in various Informatics courses.
- Actively involved in INFOTECH (Assistant Organization) as Treasurer (1 term), Social Media Division member, and committee member in several events (ITCB, Welcome Party, and 2023 Cabinet Election).
- Authored academic modules for *Basic Programming (C)*, *Data Mining*, and *Machine Learning (Python)*.
- Volunteered as staff in the Informatics Department, handling student data and administrative tasks.
- Worked as Content Manager for the university's website, maintaining and updating academic content.
- Selected participant of Bangkit Academy 2023 (MBKM – Machine Learning Path), with a capstone project on *Food Image Nutrition Detection* that reached 97% accuracy using TensorFlow and Cloud technologies.
- Conducted undergraduate thesis on Diabetic Retinopathy Image Classification by Severity Level, achieving 82% accuracy through proposed preprocessing methods.

EXPERIENCE

Infotech UMM — **Malang**
Assistant Laboratory — **Jul 2022 – Aug 2025**

- Assisted practicum sessions by teaching module materials and evaluating weekly coding assignments.
- Managed Labit UMM's social media accounts, created creative content such as rewind videos and quote posters, and engaged with audiences. Proficient in video editing using Capcut and design creation.
- Oversaw Infotech's financial activities, ensured monthly financial transparency, organized budgets and logistics for events, and designed a financial process workflow.
- Developed learning materials for the "Basic Programming" practicum using the C language, serving as a comprehensive guide for first-year Informatics students. Additionally, I created an e-learning module for the "**Data Mining**" practicum using Python, designed to teach students how to analyze and work with data. I also authored a dedicated "Machine Learning" module to help students understand core ML concepts and implement common algorithms using Python in practical scenarios.

Vokal.AI — **Malang**
Data Audio Reviewer (Contract) — **Jan 2024 – Apr 2024**

- Reviewed 1,000–1,500 audio data weekly, ensuring compliance with company criteria and standards.

South Jakarta
Assistant Product Manager (Internship) — **Nov 2023 – Dec 2023**

- Coordinated a team of interns (Mobile Developers, Backend Developers, and Quality Assurance) in enhancing the Ngaji.AI application. Created use-case diagrams, feature reports, and UI designs using Figma.

Malang
Data Collector and Annotator (Internship) — **Aug 2023 – Dec 2023**

- Collected field data and conducted surveys for the Ngaji.AI application. Specialized in audio data annotation and labeling, focusing on Al-Qur'an recitations. Achieved high productivity, annotating an average of 600–1,000 audio data items per day (or 2,000–3,000 data points every 2-4 days). Systematically organized these labeled recordings based on participant ability and age for effective AI model training.

Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka **Malang**
Machine Learning Cohort (Remote) **Feb 2024 – July 2024**

- Learned the fundamentals of machine learning, including data collection, preprocessing, visualization, and model training (CNNs, RNNs, and NLP).
- Applied ML techniques in a team project, developing Product Track, an application aimed at preventing child stunting for pregnant women.
- Selected as Top 50 Capstone Project among all participants for innovation and real-world impact.
- Enhanced problem-solving, critical thinking, and productivity through structured assignments and guidance from industry experts.

Informatika UMM **Malang**
Volunteer Staff **May 2025 – Aug 2025**

- My role is to assist in the processing and management of student data, from recording to organizing data to make it easier to access and analyze for administrative and decision-making purposes.

SKILL

- **Programming & Tools**: Python, C, Java, HTML, CSS, JavaScript, Git/GitHub,
- **Data Science & Analytics**: Data preprocessing, EDA, Data visualization (Pandas, NumPy, Matplotlib, Seaborn), Probability & Statistics
- **Machine Learning & AI**: Supervised & Unsupervised Learning, Deep Learning, TensorFlow, Scikit-learn, TensorFlow Lite, TensorFlow.js
- **Deployment & Cloud**: Model deployment, Data pipelines, Distributed training
- **Soft Skills**: Problem-solving, Critical thinking, Time Management, Collaboration, Teaching & Mentoring,

LANGUAGE PROFICIENCY

- Indonesia: Full Professional Proficiency
- English: Advanced Working Proficiency
  - TAEP (Test of English Academic Proficiency) Score: 420 (C1)
- Korea: Elementary Proficiency

CERTIFICATION

Data & Analytics

- Share Data Through the Art of Visualization

URL: https://www.coursera.org/account/accomplishments/records/HQCQAD77H3LQ

- Process Data from Dirty to Clean

URL: https://www.coursera.org/account/accomplishments/records/WZQ7SXJB7HFX

- Belajar Analisis Data dengan Python

URL: https://www.dicoding.com/certificates/6RPNV229RZ2M

- Analyze Data to Answer Questions

URL: https://www.coursera.org/account/accomplishments/records/HGESA5VAH2MN

- Probability & Statistics for Machine Learning & Data Science

URL: https://www.coursera.org/account/accomplishments/records/9RMU3H667ZYT

- Mathematics for Machine Learning and Data Science Specialization

URL: https://www.coursera.org/account/accomplishments/specialization/DMZVQ8532XQK

- Linear Algebra for Machine Learning and Data Science

URL: https://www.coursera.org/account/accomplishments/records/J5SD7MHWNAGU

- Calculus for Machine Learning and Data Science

URL: https://www.coursera.org/account/accomplishments/records/28HD3KJH2GDY

Machine Learning & AI

- Natural Language Processing in TensorFlow

URL: https://www.coursera.org/account/accomplishments/records/HPZ56397ZKFT

- Machine Learning Specialization

URL: https://www.coursera.org/account/accomplishments/specialization/PGWV93BK8HCF

- Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning

URL: https://www.coursera.org/account/accomplishments/records/ARCY2D8TXE7V

- Convolutional Neural Networks in TensorFlow

URL: https://www.coursera.org/account/accomplishments/records/PARMFLGSDFRS

- TensorFlow: Data and Deployment Specialization

URL: https://www.coursera.org/account/accomplishments/specialization/8TUQ4KFS6HLB

- TensorFlow: Advanced Techniques Specialization

URL: https://www.coursera.org/account/accomplishments/specialization/2ERZGLH2HSCG

- Structuring Machine Learning Projects

URL: https://www.coursera.org/account/accomplishments/records/CQNPZC7NVEFQ

- Sequences, Time Series and Prediction

URL: https://www.coursera.org/account/accomplishments/records/MK2HK73WMCMR

- Generative AI for Everyone

URL: https://www.coursera.org/account/accomplishments/records/RXP6VTF9XXXL

- Device-based Models with TensorFlow Lite

URL: https://www.coursera.org/account/accomplishments/records/C6VN7SVRFMJ5

- DeepLearning.AI TensorFlow Developer Specialization

URL: https://www.coursera.org/account/accomplishments/specialization/VTD6LE4346KV

- Data Pipelines with TensorFlow Data Services

URL: https://www.coursera.org/account/accomplishments/records/ACTDLKC3PJH2

- Custom and Distributed Training with TensorFlow

URL: https://www.coursera.org/account/accomplishments/records/F22H6ZAKY2FM

- Custom Models, Layers, and Loss Functions with TensorFlow

URL: https://www.coursera.org/account/accomplishments/records/D5A4K2VLFFGX

- Browser-based Models with TensorFlow.js

URL: https://www.coursera.org/account/accomplishments/records/KRBYPNAYH2U4

- Advanced Deployment Scenarios with TensorFlow

URL: https://www.coursera.org/account/accomplishments/records/H9LXSW2UCUB3