

Rizki Widiyanto

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[Portofolio_Rizki_Widiyanto]

SUMMARY

A fresh graduate in Data Science Technology from Airlangga University with a strong interest in Data Analysis, Machine Learning, and Data Visualization. Skilled in web development combined with data optimization. Known as a collaborative and friendly team member with a strong work ethic, always ready for new challenges. Passionate about continuous growth and development, believing that learning has no limits.

EDUCATION

Data Science Technology, Airlangga University 2021 - 2025

- GPA: 3.74/4.00
- Graduated as an outstanding student at the department level and with cumlaude honors.
- Relevant Coursework: Data Mining I, Data Mining II, Machine Learning, Algoritma Pemrograman I, Algoritma Pemrograman II, Natural Language Processing, Eksplorasi dan Visualisasi Data, Pengantar Basis Data, Basis Data, Pemodelan Runtun Waktu

WORKING EXPERIENCES

Data Engineer, PT Ekosistem Kesehatan Indonesia Aug – Now 25

- Performing database migration mapping using Apache Airflow.
- Standardizing the database according to FHIR.

Data Engineer, Direktorat Sistem Informasi dan Digitalisasi Universitas Airlangga

(Intern)

Jan – Feb 24

- Able to understand database structure and apply it in Navicat.
- Created queries for approximately 30 data warehouses using PostgreSQL.

SKILLS

Language: Indonesia & English (513 ELPT, 500 TOEFL ITP)

Certification:

- Associate Data Analyst (BNSP)
- Machine Learning (Digital Talent Scholarship)
- Belajar Dasar AI (Dicoding Indonesia)

Software: Github, Excel, Tableau, R Studio, MiniTab, SPSS

Programming: Python, R, MySQL, HTML, CSS

Others: Analytical Thinking, Team Work, Leadership

ORGANIZATIONAL EXPERIENCES

HIMATESDA, Airlangga University Jan – Dec 2023

Head of the SIGMA (Social Service) Department

- Developed and created 5 work programs related to department social activities for a year
- Led a team of 9 department members and collaborated with other departments

Unit Kegiatan Mahasiswa Kerohanian Islam, Airlangga University

Jan – Dec 2022

Member of the Social Service Department

- Lead for a “Seminar Kepedulian” program
- Volunteered as a tutor for about 30 mentored younger children
- Assisted various work programs within the Social Service division and other divisions

PROJECTS

GadgetSnap [Link] :

- A project for the Algorithm of Programming II course, involving 2 members, aimed at applying Machine Learning through a website within a 2-month timeframe.
- The objective was to assist user in finding mobile phones based on desired specifications using classification methods.
- Managed the backend, utilizing Flask to connect the Machine Learning model with the website and scraping from website totaling 187 data entries.

Study on Classification and Evaluation of Global YouTuber Grades Based on Social Blade

Performance Data [Link] :

- A project for the Data Mining I course, with 5 team members, aimed at creating a report on the experimental results of various Machine Learning methods for classifying and evaluating YouTuber data from the Social Blade website within 1 month.
- Collecting data through web scraping from the Social Blade website, accumulating 1500 data entries. Additionally, I interpreted the Exploratory Data Analysis.

Plant Disease Image Classification [Link] :

- This project, part of the Data Mining II class, focused on classifying plant diseases through image analysis.
- Four models were compared: MobileNetV2, VGG16, EfficientNetB0, and ResNet50, with MobileNetV2 achieving the highest accuracy.
- The project enhanced my skills in scraping images from BING and improved my understanding of image comprehension through various models.

Cholesterol Classification Prediction [Link] :

- This project focuses on predicting the classification of an individual's cholesterol based on their health indicators to identify which health variables influence cholesterol levels.
- Performing interpretation of the model and the results.
- Deploying the model using Streamlit, which involves creating a user-friendly interface to showcase the model's capabilities.

BRI Liga 1 Player Dashboard [Link] :

- This project applies data exploration and visualization to the data of BRI Liga 1 players using Tableau.
- Collecting data for 136 BRI Liga 1 players
- Creating a visualization dashboard using Tableau.

HONORS & AWARDS

- **Awardee of BSI Prestasi and BSI Talenta Scholarship** 2022 - 2025
BSI Prestasi Scholarship is a scholarship given to approximately 100 outstanding students from 20 universities in Indonesia.
- **3rd Winner of Data Science Competition GAMMAFEST, IPB University** May 2024
GAMMAFEST Data Science Competition is a competition that processes C1 Pemilu images to read the text using image classification.
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GAMMAFEST Data Science Competition is a competition that processes C1 Pemilu images to read the text using image classification.
- **3rd Winner of Data Science Competition MCF, ITB** May 2024
MCF Data Science Competition is a competition that processes cholesterol data to identify health factors with classification.
- **3rd Winner of Data Science Competition ICONIC, Siliwangi University** Oct 2024
ICONIC is a competition organized by Universitas Siliwangi aimed at predicting credit card application eligibility using demographic and financial data.