

KIMBERLY KAYLA DEWI

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Portfolio: <https://kimikayz.github.io/portfolio/>

PROJECTS

Air Pollution Analysis and Modeling Prediction

September 2023 - January 2024

- Analyzed and predicted air pollution levels in DKI Jakarta using 2021 data from five monitoring stations with machine learning.
- Built a predictive model to forecast pollution levels, offering insights for environmental and public health management.
- Utilized Python for data analysis and modeling to deliver actionable predictions.

(bit.ly/ArtificialIntelligenceProject_Kimmy)

Advancing House Price Prediction Through Machine Learning

September 2023 - January 2024

- Built a machine learning model to predict house prices using 13 key features.
- Applied various regression models, with Linear Regression explaining 60.7% of price variation.
- Delivered Python-based insights for informed decision-making in real estate.

(bit.ly/MachineLearningProject_Kimmy)

COVID-19 Impact to US Economy

February 2023 - June 2023

- Performed EDA on US economic data (1913-2023) to identify key trends and COVID-19 impacts.
- Built linear regression models to predict post-COVID economic outcomes.
- Generated forecasts to support data-driven strategic planning and policy decisions.

(bit.ly/DataMiningAndVisualizationProject_Kimmy)

EXPERIENCE

Head of Human Capital Department

February 2024 - Present

Data Science Club BINUS University

- Fostered a collaborative and inclusive team environment, resulting in increased team productivity.
- Developed and implemented strategies for talent acquisition, development, and retention.
- Facilitated communication channels to address concerns, provide guidance, and ensure alignment between human capital strategies and organizational goals.

MC and Volunteer of ASEAN Data Science Explorers National Finals Indonesia

July 2023 - August 2023

ASEAN Foundation

- Led team meetings to assist presenters in preparing for the ASEAN DSE National Finals.
- Followed provided scripts while making necessary adjustments to ensure smooth event execution and audience engagement.
- Managed transportation allowances for all volunteers and ensured proper documentation by overseeing the signing of receipts.

EDUCATION

Bina Nusantara University

2022 - Present

Bachelor of Data Science Major

ADDITIONAL INFORMATION

Awards: 3rd Winner of the Video Essay Competition in English Essay 2024, Quarter Finalist of the Newscasting Competition in The 2024 Asian English Olympics, Champion of Newscasting Competition in The 2023 National English Olympics.

Programming Languages/Tools: Python, R, SQL, Tableau, Google Sheets.

Libraries/Frameworks: TensorFlow, Keras, Scikit-Learn, Seaborn, Matplotlib, Pandas, Numpy.

Techniques: Data Preprocessing, Feature Engineering, Exploratory Data Analysis (EDA), Machine Learning Algorithms, Model Evaluation and Tuning, Statistical Analysis.

Soft Skills: Problem Solving, Communication, Critical Thinking, Attention to Detail, Adaptability, Time Management, Curiosity, Leadership, Collaboration, Creativity, Resilience, Ethical Awareness.

Languages: Indonesian and English.