ALIF GALA BUANA
Data Science enthusiast

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I graduated from the Electrical Engineering Faculty of Engineering Universitas Gadjah Mada in 2020. Pasionatte Data Scientist, A novice Data Scientist eager to learn and grow. Proficient in applying data analysis and modeling concepts. Actively learning various soft skills, including CorelDraw, Adobe Photoshop, Python, SQL, Tableau, PowerBI, and Google Data Studio. I am now taking a full-stack data science bootcamp Program from dibimbing.id start from July until December 2024

EDUCATION

BSc of Engineering in Electrical Engineering, Universitas Gadjah mada   Yogyakarta, ID
2015 - 2020

Current GPA: 3.12/4.00
Relevant Coursework: Programming, Analytical thinking, Statistics, Calculus

- **Final thesis**: Effect of Variations in Number and Shape of Windings, Slots and Poles Regarding the Output Value and Efficiency of the PMSG Generator for Wind Turbines using MagNet Software
- Lecturer Assistant Laboratory of Instalation Electrical Engineering
- Lecturer Assistant Laboratory of High Voltage Electrical Engineering
- Head of external sub-division Science faculty Cluster of Equipment Division Event PPSMB PALAPA UGM 2016
- Staff of Equipment Division Event Pagelaran Budaya Dies Natalies UGM 2016

DIBIMBING.ID Data Science Bootcamp   Juli – Desember 2024

- Learn about statistics, data analytics, machine learning, data visualization, and do projects related to the application of science
- Technical Skills: Python, SQL, Tableau, Google Data Studio, Streamlit
- Techniques: Hypothesis Testing, Exploratory Data Analysis, Data Visualization, Linear Regression, Ridge Regression, Lasso Regression, K-Nearest Neighbors, Decision Tree, Random Forest, Gradient Boosted Trees, Logistic Regression, Factor Analysis, K-Means Clustering

Muslim Millenial Bootcamp Institut Kemandirian   Oktober – Desember 2024

- Learn about statistics, data analytics, machine learning, data visualization, and do projects related to the application of science
- Technical Skills: Python, SQL, Excel, Google Data Studio, Streamlit
- Techniques: Hypothesis Testing, Exploratory Data Analysis, Data Visualization, Linear Regression, Ridge Regression, Lasso Regression, K-Nearest Neighbors, Decision Tree, Random Forest, Gradient Boosted Trees, Logistic Regression, Factor Analysis, K-Means Clustering

WORKING EXPERIENCES

Data Science Intern   Januari – Maret 2025

OKEGARDEN

- Managing and analyzing data to support strategic decision-making within the company.
- Creating interactive data visualizations to present insights to the management team.
- Utilizing tools such as Python, SQL, and Tableau for data processing and reporting.

Data Analyst Intern   November – Desember 2024

PT. Indekstat

• **Clustering Voter Regions Using K-Means**

  - Conducted clustering of voter regions in Nganjuk based on variables: TOTAL DPT, KK, GOLPUT, and PKB using the K-Means algorithm.
  - Identified three campaign priority zones (Zone 1: High Priority, Zone 2: Normal, Zone 3: Low Priority) and provided campaign strategy recommendations for each zone.

• **Automated Crosstab Analysis Program with Streamlit**

  - Developed a Streamlit-based app to automate crosstab analysis for survey data.
  - Created a feature for iterative analysis with aggregation and percentage calculations, allowing easy result storage and export to Excel.

Project-Based Virtual Intern: Februari – Maret 2024

BigData Analyst Kimia Farma x Rakamin Academy

- Learned basic knowledge about SQL Querying, Big Data, Data Warehouse, Data Mart, Data Analysis, and Data Visualization
- Finished several tasks related with the Data Analyst role in PT Kimia Farma, including Data Querying in SQL and Data Visualization Knowledge
- Processed Kimia Farma product sales data using SQL and created a dashboard using that data with Looker Studio as my final project

PT. PLN (Persero) UP3 Demak   September 2019 – Maret 2020

Supervisor Operation Internship on Program Magang Mahasiswa Bersertifikat (PMMB) FHCI
- Trained as a Supervisor Of Distribution System Operation.
- Supervised distribution of electric power operation.
- Problem analysis that happens in the distribution system of electric power.
- Perform analysis Distribution Network Reconfiguration for Power Loss Reduction and Voltage Profile Improvement.

DATA SCIENCE PROJECT

Predictive Modeling of Employee Attrition   2024

Github Link: https://github.com/alifgala/Final_Project_Attrtion_Prediction
- Conducted Exploratory Data Analysis (EDA) to identify key factors influencing employee turnover.
- Developed predictive models using Random Forest and XGBoost, focusing on improving F1-score and accuracy.
- Provided actionable recommendations to enhance employee retention strategies.

Maximizing Customer Loyalty through Data-Driven Segmentation   2024

Github Link: https://github.com/alifgala/Customer_Segmentation_Project
- Performed RFM (Recency, Frequency, Monetary) analysis to segment customers based on purchasing behaviors and value contribution.
- Identified high-value customer segments and provided actionable insights to improve retention strategies and maximize revenue.
- Recommended targeted marketing strategies to enhance customer engagement and loyalty for each segment.

Evaluate Kimia Farma Business Performance from 2020 until 2023   2024

Github Link : https://github.com/alifgala/PBI_RAKAMIN_KIMIA-FARMA
- Processed Kimia Farma product sales data using SQL

- created a dashboard using that data with Looker Studio

ORGANIZATIONAL EXPERIENCES

Head of Sport and Art Division, 2015-2017

Ikatan Mahasiswa Gadjah Mada Sumatera Selatan (IKAGAMASS UGM)
- Lead a team consist of 8-10 members to work on Sport and Art Field, specifically supervising all activities that the organization participates in the arts

VOLUNTEER EXPERIENCES

KKN-PPM UGM PB-01 Mei -Juli 2024

SAWINGGRAI, RAJA AMPAT
- Responsible to teach; preparing project to village development, coorperate with government and organization of aku papua. Our project such as solar panels for public street lighting; water detection suitable for use; waste management; orchid cultivation; conservation training; village-owned enterprise; teaching in schools; and processing local food source into highly nutritious food product

PPSMB PALAPA UGM 2016 and 2017

Head of external sub-division Science faculty cluster of equipment division
- Prepare materials and tools for the event, and coordinator of the equipment sub division of the saintek cluster.

PAGELARAN BUDAYA DIES NATALIES UGM 2017

Staff of Equipment Division
- Prepare materials and tools for the event, and preparing the stage equipment of the main event.epare materials and tools for the event

TRYOUT INTO UGM IKAGAMASS UGM 2016

Head of Equipment Division
- Lead the team for Prepare materials and tools for the event, and preparing the stage equipment of the main event.

SKILLS

Language: English, Native Proficiency, Toefl ITP 472 2024

Certificate: https://drive.google.com/file/d/16Gld1bafiVaoh7IOb8Aj-hTiql-RKLiL/view?usp=sharing

Technical Skills: Python, SQL, Google Data Studio, Tableau, CorelDraw, Adobe Photoshop, Microsoft Office (Excel, Word, Powerpoint) , R studio

Techniques: Logistic Regression, Decision Trees, Random Forest, Gradient Boost Tree, K-Nearest Neighbor, Neural Network, Support Vector Machine, Linear Discriminant Analysis, Linear Regression, Lasso Regression, Ridge Regression, K-mean Clustering, Data Visualization, Data Scraping

Soft Skills: Communication, teamwork, leadership, initiative, analytical, logical, and problem-solving thinking, probing skill, curiosity, and desire to continue learning

CERTIFICATION AND SPECIALIZATION

Data Analyst Bootcamp   Januari 2025
- Institute Kemandirian, Great Edunesia, Dompet Dhuafa
- ID kredensial : -
- Link : https://drive.google.com/drive/folders/1_8gVjPbK_vvrLH2r62xQBkLfFmL_74iG?usp=sharing

Google Data Analytics   Januari 2025
- Coursera.org, Google
- ID kredensial : PCXWG4LPUZEO
- Link : https://coursera.org/share/17c1b2ad0ad27ae31520d4d146893aaa

Machine Learning Specialization   December 2024
- Coursera.org, Deeplearning.Ai
- ID kredensial : Y3GI64PNOVAP
- Link : https://coursera.org/share/0787ca5f125495cb20e268a116c250a6

IBM DATA SCIENCE   December 2024
- Coursera.org, IBM
- ID kredensial : O7JAR3L3KZ57
- Link : https://coursera.org/share/dc178c6c32e8f343d4985c311306f79a

Data Science Bootcamp   June - December 2024
- diBimbing.id
- ID kredensial : 201029DS27122215
- Link : https://dibimbing.id/certificate-validation?cn=201029DS27122215

Python (Basic)   July 2024
- HackerRank
- ID kredensial : 893d0e080efa
- Link : https://www.hackerrank.com/certificates/893d0e080efa

SQL (Basic)   July 2024
- HackerRank
- ID kredensial : 21df13e1b045
- Link : https://www.hackerrank.com/certificates/21df13e1b045

SQL (Intermediate)   July 2024
- HackerRank
- ID kredensial : 42c0f75a71b9
- Link : https://www.hackerrank.com/certificates/42c0f75a71b9

SQL (Advanced)   July 2024
- HackerRank
- ID kredensial : 867c087df2b1
- Link : https://www.hackerrank.com/certificates/867c087df2b1