

# Didit Eko Setyo Ariandi

## Data Scientist

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### SUMMARY

Experienced Data Scientist Skilled in Python, SQL, and deep learning techniques, with a strong ability to analyze complex datasets and extract meaningful insights. Proficient in data manipulation, visualization, and predictive modeling, enabling informed decision-making. Adept at collaborating with cross-functional teams to translate business requirements into data-driven strategies.

### EXPERIENCE

#### PT Bigjava

Yogyakarta, ID

Data Scientist - Full Time

Feb 2023 – Present

- Build and deploy Machine Learning models for Sentiment Analysis with 95% accuracy.
- Develop an algorithm using Natural Language Processing models for Emotion Detection with 90% accuracy.
- Develop and build unsupervised Natural Language Processing Topic modeling to extract topics from a large dataset.
- Develop algorithm using Named Entity Recognition to extract Names, Location and Organizations.
- Build Api for Machine Learning models so the Back-end team in the project can connect to and serve it to the front end.
- Develop algorithms for Data Cleaning and preprocessing on large datasets.
- Develop algorithm using ChatGPT api to generate automatic texts based on given topics.

#### PT Dirgantara Indonesia

Bandung, ID

Engineering - Internship

July 2019 – Oct 2019

Worked as an intern and received work of a safety assessment for installed Machine Gun for Helicopter Bell412 :

- Conduct helicopter safety inspections with an understanding of the minimum safety level and safety assessment process in the military.
- Identify potential hazards during conceptual design and Understand risk assessment methods to determine mitigation measures.
- Provide a solution to the risk of danger that will occur to
- the helicopter such as: use bolt with wire locking minimum 4 pieces and installing the appliance detector/overheating and emergency button release.
- Determine the risk assessment method to determine the size of the mitigation.
- Create a final conceptual design after determining hazard analysis and determining mitigation measures.

### EDUCATION

#### Hacktiv8 Indonesia, Full Time Data Science

Bandung, ID

Courses: Calculus, Statistics, Machine Learning, Deep Learning, Python (Numpy, Pandas, Matplotlib, Seaborn, Scikit Learn, Tensorflow, Keras, Streamlit), SQL

Aug 2022 - Okt 2022

#### Institut Teknologi Dirgantara Adisutjipto

Yogyakarta, ID

Bachelor of Aerospace Engineering

Sep 2016 – Aug 2021

Cumulative GPA: 3.28/4.0

### PROJECTS

#### Harvest Regression Models

Okt 2024

Make predictions Harvest models using Random Forest Regression, Decision Tree Regression and Naive Bayes with 86% accuracy.

#### Face Mask Detection

Okt 2022

Make prediction face mask detection for detected people who used masks or without Masks. Using CNN Deep learning from Tensorflow.

**Customer Churn Prediction**

Okt 2022

Make predictions on customer churn or people who potentially leave as customers not for next month.  
Using ANN Deep learning from Tensorflow.

**Prediction on Customer Credit Default**

Sept 2022

Classification model to predict customer who will have default status on their next month payment using  
Logistic Regression

**Wind Tunnel**

Thesis, Apr 2020 – July 2021

Build a Wind Tunnel project that will be used as a practicum tool in the campus and designing one of the Wind Tunnel parts  
with CAD (CatiaV5), namely the test section, then conducting aerodynamic analysis for the part

**SKILLS**

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**Programming Languages :** Python**Database :** SQL, BigQuery, PostgreSQL**Frameworks and Tools :** Tensorflow, Keras, Pytorch, Visual Code Studio, Google Collab.**Data Visualization :** Tableau, Google Data Studio**Languages :** Fluently in Bahasa, Professional Proficiency in English**Certifications & Training:** IBM Data Science Specialization