

# Effry Muhammad

## Data and Machine Learning Specialist

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Projects and Portfolio: <https://effmuhammad.github.io>

### SUMMARY

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A data and machine learning specialist who has been in this field for 2 years. Have strong programming skills such as Python, C, SQL to manipulate data and extract insightful information. Experienced in doing predictive analytics using python and deep learning. Able to work with various analytics tools and query platform. Kominfo-DQLab “Data Analyst” Professional Academy Certified. Check my work on the portfolio link above.

### EXPERIENCE

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#### Politeknik Elektronika Negeri Surabaya - Surabaya, Indonesia

Artificial Intelligence Researcher [Part-Time] (December 2021 – present)

- Doing research on "Electricity Usage Predictive Analytics with LSTM-RNN Deep Learning Method for Energy Efficiency"
- Have worked on several IoT, Computer Vision and AI projects with Lecturers

#### PT SARI MAS PERMAI - Surabaya, Indonesia

Electronics and Instrumentation Engineer (November 2020 – May 2022)

- Lead the development of various embedded system improvement with C programming.
- Collaborate with teams from each engineering department to ensure all of factory plant is working well.
- Analyze the electricity usage of each production plant.

### EDUCATION

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#### Politeknik Elektronika Negeri Surabaya (Final Semester, Employee Class)

Bachelor of Applied Science (BASc) of Electronics Engineering

#### Politeknik Elektronika Negeri Surabaya (2017 - 2020)

Associate’s Degree (D3) of Electronics Engineering - GPA 3.23

### TRAINING

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- Kominfo-DQLab “Data Analyst” Professional Academy
- Google Cloud Platform QWIKLABS Training
- Dicoding Machine Learning Training
- Dicoding Data Visualization Training
- Dicoding Python Training

### SKILL

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|--------------------|----------------------|--------------------|
| • Python           | • Data Manipulation  | • BigQuery         |
| • C/C++            | • Data Visualization | • Google Analytics |
| • SQL              | • Data Analysis      | • Firebase         |
| • Machine Learning | • Data Analytics     | • Automation       |

### ACHIEVEMENT

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- 3<sup>rd</sup> Place in The Innovation Competition by PT Medion Farma Jaya (2020)
- 1<sup>st</sup> Place in The Infex Cardboard Creativity Competition (2019)
- Kaltim Tuntas Scholarship Awardee (2019 – 2020)
- PPA Scholarship Awardee (2018-2019)