

## Rizal Maulana (Rizal)

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<https://rizalmaulanaa.github.io/>

### EDUCATION

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**Graduate of Computer Science,** Sep 2020 – July 2022  
University of Indonesia, Depok, West Java.

**Undergraduate of Computer Science,** Aug 2016 - Feb 2020  
University of Brawijaya, Malang, East Java.

**High School, Science Department,** June 2013 - June 2016  
SMA Laboratorium Percontohan UPI, Bandung, West Java.

### WORK EXPERIENCE

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**AI Engineer** – PT. Prima Data Semesta (PLN Icon Plus onsite) March 2023 – Present  
Create a deep learning model

**Data Engineer** – PT. Sharing Vision (BRI onsite) March 2023 – March 2024  
Create/Enhancement ETL and Report using SSIS and SSRS

**Data Engineer** – Legal Analytics, Telkom Indonesia Sep 2022 – Jan 2023

1. Crawling Indonesian news from various sites.
2. Letter extraction, ID card extraction, and TOR extraction.
3. Crawling Instagram.

**Assitant of Advance Machine Learning** – Fasilkom, University of Indonesia Feb 2021 – June 2022  
Assistant of Advance Machine Learning. Teaching students to understand basic Python and Deep Learning using library TensorFlow.

**Big Data and Analytic DEVT DIT Intership** – PT. Telekomunikasi Indonesia June 2019 – Sep 2019  
Indonesian multinational telecommunications conglomerate.

1. Create Customer Segmentation by customer behavior from IndiHome customer at Cirebon City using K-Means.
2. Parsing data from Database status to excel files using Python programming language.

**Mentor of Web Programming** – Filkom, University of Brawijaya Feb 2019 – May 2019  
Mentor of web programming. Teaching students to understand PHP, HTML, and JavaScript Programming language.

### OTHER EXPERIENCE

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**Eksekutif Mahasiswa Informatika** – Filkom, University of Brawijaya Feb 2019 – March 2020  
An organization that help to accommodate Computer Science's Student needed either on academic and non-academic sector. Member of Manajemen Sumber Daya Program Kerja, handled 5 program kerja from Eksekutif Mahasiswa Informatika.

**House of Technology 2.0** – Filkom, University of Brawijaya March 2019 – Nov 2019  
Become Steering Committee for one competition. House of Technology is an IT competition event held by Faculty of Computer Science.

**Eksekutif Mahasiswa Informatika** – Filkom, University of Brawijaya Feb 2018 – Feb 2019

Member of Departemen Pengembangan Ilmu dan Profesi that focuses on help Computer Science's Student on academic sector. Handled one competition in House of Technology 1.0.

## **ADDITIONAL INFORMATION**

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**Languages:** Fluent in Bahasa and English.

**Tools:**

1. Airflow
2. SSIS (SQL Server Integration Services)
3. SSRS (SQL Server Reporting Services)
4. ML Python Library (Tensorflow, Keras, Pytorch, Sklearn, MONAI)
5. ElasticSearch

**Programming Language:**

1. Python
2. SQL
3. Java
4. PHP

**Soft Skill:**

1. Teamwork
2. Analytical Skills
3. Critical Thinking

**Achivement :**

1. Speaker on Faculty of Computer Science University of Indonesia for Biomedical Image Analysis topic.

**Publication:**

1. Robustness of Probabilistic U-Net for Automated Segmentation of White Matter Hyperintensities in Different Datasets of Brain MRI – 2021 (First Author)
2. Probabilistic Deep Learning with Adversarial Training and Volume Interval Estimation - Better Ways to Perform and Evaluate Predictive Models for White Matter Hyperintensities Evolution – 2021 (Third Author)

You can see all my Preprint at <https://www.researchgate.net/profile/Rizal-Maulana-6>

**Projects:**

1. Tree Detection from Aerial Image using Dilated Residual U-Net.
2. Clustering Indonesian News Document using Seed-guided Deep Document Clustering.
3. Automatic Segmentation of White Matter Hyperintensities using Attention U-Net++.
4. Topic Extraction from newsletter with CLARA algorithm.
5. Create Customer Segmentation from IndiHome customer with KMeans algorithm.
6. Develop a web base ticket marketplace using CI framework.

You can see all my projects at <https://github.com/rizalmaulanaa>.