

Mochammad Arie Nugroho

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PROFILE

Highly motivated bachelor of electrical engineering who always desire to learn new thing that can help develop analytical skills. Passionate about data science field, and interested in everything related with data. Skilled in Microsoft Office, Python, R. The coworker describes me as a person who doesn't talk too much, efficient, fast learner and open minded. Currently active learning from webinar and Data Science bootcamp to develop my knowledge and get more expert.

EDUCATION

UNIVERSITY OF BRAWIJAYA

- **Master Degree of Management** Feb 2020 – Present
 - Sub major Strategic Management | GPA : 3.92
- **Bachelor Degree of Electrical Engineering** Aug 2013 – May 2018
 - Sub major Instrumentation Control Engineering. | GPA : 3.06
 - Runner up PLC Industrial Automatic and Robotic Competition (IARC) ITS 2016 competition.
 - Making project Gas Vent Stack Snuffing Unit N2 exhaust safety system automation based on PLC Siemens S7-300.

INFORMAL EDUCATION

- **Data Science Bootcamp | Dibimbing.id** Oct 2021 – Present
 - Learning data science field with Python and R, statistic class, machine learning model, SQL query, web dashboard, and business understanding in the data science field. Build final portfolio project and get python coding exercise every week.
- **English for Business | Schoters** Jan 2022 – Feb 2022
 - Learn how to improve English communication skills to deal with real business and career.

WORK EXPERIENCE

- **PT Mulia Industrindo Tbk.** Jan 2019 – Jun 2019
Management Trainee Engineering
 - As a Management Trainee in the Engineering Maintenance Division the main job is implementing continuous improvement projects on ceramic body preparation.
 - Daily work is to supervise the daily checking of tools by technicians and perform preventive maintenance.
 - Participate in project Project Recovery Unsafe Condition for Electrical Part in Plant A
 - Final phase of OJT doing project improvement on PPB Pump nasseti type and updating Work Instructions based on the existing manual book then conducting training for new work instructions.
- **PT Transportasi Gas Indonesia** Oct 2017 – Dec 2017
Internship Technician
 - As an internship technician, the daily job is to calibrate Pressure Transmitter and Temperature Transmitter in the Gas Metering Station and get a project to design a Gas Vent Stack security system using Siemens PLC Controller.

ORGANIZATIONAL EXPERIENCE

- **Himpunan Mahasiswa Pascasarjana FEB UB** Feb 2020 – Jan 2022
Secretary of Public Relations Division
 - Become an intermediary between internal organizations and external parties such as outside companies or the government.
 - Main Committee in webinar "Kajian Mahasiswa Pascasarjana 2020, "Webinar Keuangan Level Up 2021", "REFERENCE 2021"
- **Riset Karya Ilmiah Mahasiswa UB** Mar 2015 – Apr 2018
Expert Staff Riset and Development
 - Train junior staff in writing scientific papers and instruct junior staff in PKM KC competitions in the electrical field.
 - Become main committee of "2016 RKIM Training", "2017 RKIM Training", "2016 RKIM CUP".

PORTFOLIO

- Customer Personality Analysis Unsupervised ML using Python [[Repository](#)] [[Article](#)]
- Red Wine Quality EDA and ML using Python [[Repository](#)] [[Article](#)]
- Wind Energy In Germany EDA using Python [[Repository](#)] [[Article](#)]
- Telco Customer Churn using Python [[Repository](#)] [[Article](#)]
- [And many more..](#)

CERTIFICATION

- **Enterprise Risk Management** Jul 2020 – Jul 2022
Enterprise Risk Management Academy
This certification tested against the standards required for Enterprise Risk Management Associate Professional (ERMAP) as defined and certified by the Enterprise Risk Management Academy (ERMA) with the ERMAP professional designation.
- **Instrumentation Technician Lv 1** Dec 2019 – Dec 2023
LSP PPT Migas Cepu

This certification tested based on SKKNI for Upstream – Downstream Oil Gas Industry Sector, General Engineering Sector, Instrumentation Equipment Maintenance Sub-Sector and Calibration Sub-Sector.

ADDITIONAL INFORMATION

- **Technical Skill** : Microsoft Office, Google Analytic, Python, R Programing Language, PostgreeSQL, Git, Tableau
- **Soft Skill** : Leadership, Communication Skill, Problem Solver, Analytical Thinking, Teamwork, Creative and Innovative Thinking.
- **Language** : Indonesian, English
- **Hobby** : Badminton, Chess, Photography, Graphic Design, Reading Book, Traveling