

# LUTHFI FATHURRAHMAN

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## SUMMARY

A graduate of Sepuluh Nopember Institute of Technology (ITS) with a Bachelor's degree in Engineering, shifting my career focus from Field Application Engineering to Data Analysis. Skilled in Data Visualization, Machine Learning, Data Cleaning, Data Interpretation, and Data Analytics. Skilled in doing data cleaning using Microsoft Excel, SQL, and Python, creating dashboards in Microsoft Excel, Tableau, and Python, conducting data visualization effectively, and developing an ANFIS method automation system using MATLAB. Thrives in dynamic, fast-paced environments, excelling at multitasking. Currently seeking an opportunity to apply acquired skills and knowledge to drive the achievement of company objectives.

## EDUCATION

**Sepuluh Nopember Institute of Technology (ITS)**

**August 2013 – March 2018**

Faculty of Industrial Technology and Systems Engineering | Department of Engineering Physics

Bachelor of Engineering | GPA: 3.03 out of 4.00

### Relevant Coursework:

Statistics and Stochastics, Computer Programming, Fuzzy Systems, Calculus, and Engineering Mathematics.

## ACHIEVEMENT

Funding from RISTEK DIKTI "Fall Detection Device (LifePlus)" held by Student Creativity Program, February 2016

Semifinalist in the national level scientific writing competition (Cakrawala Ilmiah 2016) held by ITS, March 2016

Finalist in the national level scientific writing competition (GEMASTIK 9) held by KEMENRISTEK DIKTI, October 2016

3<sup>rd</sup> Place in the national scientific writing competition (Public Health Competition) held by UNAIR in November 2016

1<sup>st</sup> Place in the national scientific writing competition (4th Public Health Competition) held by UNEJ in November 2016

## SKILLS

Microsoft Office, Google Suite, Computer Literate, Data Visualization, Data Analytics, Data Cleaning, Microsoft Excel, SQL, Python, Tableau, Project Management, MATLAB, ARDUINO, ANFIS Method, Machine Learning, Data Interpretation.

## TRAINING AND COURSE

TETRIS Batch 4, DQLab (December, 2023)

Data Analyst with Python & SQL, DQLab (February, 2023)

Learning Python 3 Course, Codecademy (November, 2022)

Digital Talent Scholarship Program Data Analyst, organizer of KOMINFO & Google (September, 2022)

Digital Talent Scholarship Data Scientist Program, organizer of KOMINFO & DQLab (May, 2022)

## WORK EXPERIENCES

### XERATIC

**March 2024 – present**

#### Data Analyst | Head of Intern

- Gathered project data through Google or Python scripting for analysis purposes
- Performed data cleaning using Microsoft Excel, SQL, and Python to ensure accuracy and consistency
- Performed analysis of the cleaned data using Microsoft Excel, SQL, and Python, identifying patterns and trends
- Informed the user regarding the developments to ensure that the dashboard meets their needs and expectations.
- Created and developed customized dashboards in Microsoft Excel, Tableau, and Python to visualize data effectively as per user specifications

### PT Orisol Indonesia Machinery

**June 2022 – July 2023**

#### Field Application Engineer (Team Leader for Central Java)

- Supervised and led team members to carry out and complete tasks, managing schedules and resources effectively
- Carried out thorough inspections, installation and maintenance of machinery, according to company guidelines
- Performed routine maintenance on machinery, following company standards to uphold operational efficiency
- Coordinated and communicated with various related departments to ensure the smooth running of team activities
- Built strong relationships with customers, serving as the primary point of contact for addressing their requirements

- Addressed customer inquiries and solved issues promptly and efficiently, ensuring high levels of customer satisfaction
- Collected and analysed important data and information related to machines to be conveyed to customers regularly
- Created and prepared detailed daily reports on field activities and advancements for central management in Taiwan, utilizing Microsoft Office software

## **PROJECT EXPERIENCES**

### **LifePlus – Fall Detection Device**

**February 2016 – February 2018**

#### **Team Leader | Sepuluh Nopember Institute of Technology**

- Led, supervised and coordinated the team during the project time for around two years
- Retrieved project data using ARDUINO to fulfil project requirements during in charge
- Established and maintained teamwork and communication with other project members while on duty
- Processed data for project purposes using Microsoft Excel during the project
- Developed an ANFIS method automation system using MATLAB to classify user activities to increase device reliability
- Verified the developed automation system using ARDUINO for validation purposes

### **Evaluation of 35 Year KPR Policy in Indonesia**

#### **Individual Project**

- Gathered data from over 30 provinces through web scraping utilizing the Selenium library in Python
- Conducted data cleaning using Microsoft Excel and Python to ensure accuracy and consistency
- Performed in-depth analysis of the cleaned data using Python to find significant patterns or trends
- Created and prepared reports in the form of websites using the Streamlit and Altair libraries in Python
- Interpreted results from two perspectives: the community standpoint and that of related organizations
- Designed and implemented a machine learning model to forecast house price