# Arifful Fikri

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## SUMMARY

Data enthusiast with deep understanding of data analytics, data science, computer engineering, machine learning and computer vision. I managed to lead teams in organizations and competitions, manage projects, and achieve outstanding results. With a solid foundation in computer engineering principles, I am proficient in programming languages such as C, C++, Python, R, SQL and data visualization such as PowerBI and Tableau. I also have a passion for a career in data, AI Engineer and and other jobs related to IT.

## EDUCATION

**University of Brawijaya** **(Sep 2020 – Mar 2024)**
Bachelor of Engineering
Majoring in Computer Engineering, Faculty of Computer Science
**Cumulative GPA: 3.85/4.0**
**Relevant Coursework:** IT Business Management, Programming, Robotic, Statistika and Machine Learning

## ORGANIZATIONAL EXPERIENCE

**Head of Vision Programming** **(Dec 2022 – Dec 2023)**
**Robotiik in Universitas Brawijaya (Malang, Indonesia)**

Robotiik is a research organization focused on developing advanced robots for success in the Indonesian Robotics Contest (KRI), I have achievement/responsibility to:

- Implemented machine learning algorithms like CNN and YOLOV5 in computer vision robots.
- Developed an automatic label annotator for a dataset of 12,000 images.
- Led the vision team to participate in 3 major competitions at the Kontes Robot Indonesia (KRI).

**Vice Chairman Division Advocacy** **(Dec 2021 – Dec 2022)**
**HIMATEKKOM (Malang, Indonesia)**

HIMATEKKOM is a community organization dedicated to enhancing student competence through extracurricular activities and fostering strong connections between new and senior students within the same study program. I have achievement/responsibility to:

- Led a team of 8 members to execute planned initiatives aimed at enhancing the competence of computer engineering students within HIMATEKKOM.
- Successfully organized 6 diverse events within the field of computer engineering.
- Established connections with 4 alumni, providing valuable networking opportunities and real-world insights to current members.

## ACHIEVEMENT AND CERTIFICATE

- Finalist in the National Indonesia Robot Contest, Kemendikbud, 2023 | bit.ly/3UjsQ0E
- TensorFlow Developer Certificate, Tensorflow, Number: 82694849, 2023 | bit.ly/3Q5jFyx
- Natural Language Processing (NLP) with Classification and Vector Spaces, Coursera, 2023 | bit.ly/3UXeZNW
- Machine Learning Specialization, Coursera, 2023 | bit.ly/45ghQFn
- Tensorflow Spesialization, Coursera, 2023 | bit.ly/4ceGQPA

## TRAINING

**Data Science** **(Apr – May 2024)**
**Udemy**

- Learn About Exploratory Data Analysis, Data Visualization with Python, Regression Analysis, Classification Analysis, Data Science with Autopilot, Optimalization Model

**Data Analyst** **(Mar – Apr 2024)**

**ITBOX by Course Net**

- Learn About Microsoft Excel, T-Test, AB Testing, SQL query Advanced, Data Visualization with PowerBI, and R programming.

**Oracle Academy** **(Jan – Feb 2024)**

**Oracle**

- Learn about fundamental from SQL like SQL Query, Relationship in Database, Database Design, UIDs and Normalization, Mapping.

**Magang & Studi Independen Bersertifikat** **(Feb – Jun 2023)**

**Bangkit Academy 2023**

- Learn About Github, Goggle IT Automation with Python, Goggle Data Analytic, Mathematic for machine Learning, Machine Learning Specialization, Deep Learning, Tensorflow, Natural Language Processing.

## PROJECT AND RESEARCH

- **Mendaur App (Bangkit Academy 2023 Capstone Project)** **(Apr – Jun2023)**

  Mendaur is an application that can detect organic and inorganic garbage and provides recycling advice. Mendaur's advanced waste detection system helps clients choose recycling options. Mendaur recycles non-organic waste and locates convenient waste disposal locations. This tool helps users identify disposal centers, promoting waste management and lowering environmental effects.

  This Is github about project : https://github.com/Bam280/mendaur-app

- **Optimal Frequency Selection System on Generic Wireless Power Transfer with Capacitor Switching Relay (Sep 2023 – Jan 2024)**

  Research has enhanced Wireless Power Transfer (WPT) by dynamically adjusting capacitors through relays, optimizing efficiency without sacrificing performance. This innovation benefits various applications like electric vehicles and robotics, opening up new technological development opportunities.

  This Is Jurnal about project : https://j-ptiik.ub.ac.id/index.php/j-ptiik/article/view/13230

## SKILL

**Technical Skills:** Microsoft Office , C/C++, Phyton, R, SQL, HTML, CSS, Github, Machine Learning, Data Visualization (Power BI/Tableau)

**Other Skills:** Problem Solving, Critical Thinking, Leadership, Growth Mindset.

**Languages:** Bahasa Indonesia (Native Proficiency), English (TOEFL Score: 483)