MUHAMMAD RIFQI NUR AZIZ

Rifqiazz69@gmail.com | https://bit.ly/Muhammad-Rifqi | https://rifqi66.github.io/ | Jakarta, Indonesia

SUMMARY PROFILE

Fifth-semester Electrical Engineering student at UPN Veteran Jakarta, specializing in Electronics and Control. Currently advancing expertise in AI and data-driven technology through the MBKM Machine Learning program at Bangkit Academy. Experienced in developing IoT-based systems, including smart irrigation controlled via mobile devices. Skilled in problem-solving, teamwork, and applying engineering principles to real-world challenges, with a focus on integrating IoT, AI, and automation to deliver impactful solutions.

EDUCATION

UPN Veteran Jakarta   2022 - Now
- Bachelor's degree in Electrical Engineering | GPA: 3.62/4.00

WORK EXPERIENCE

Project Officer of Industrial Visit to Huawei Tech Investment   Oct 16, 2024
- Initiating and Leading the Team
- Negotiating the Visit Agreement with PT Huawei Public Relations

Assistant Laboratory Electrical Circuit - UPN Veteran Jakarta   Feb 2024 – Jun 2024
- Demonstrating laboratory tools related to DC Superposition Theorem, wye-delta Transform, Dependent Source, and Wheatstone Bridge

Project Officer of Industrial Visit to Hyundai Motor Manufacturing   May 29, 2024
- Initiating and Leading the Team
- Negotiating the Visit Agreement with PT Hyundai's Public Relations

Assistant Laboratory Digital Systems - UPN Veteran Jakarta   Oct 2023 – Nov 2023
- Guiding students in conducting digital system experiments related to De Morgan's Theorem, EX-OR Gate Application, BCD to Seven Segment, Shift Register, and Up-Counter.

PROJECT EXPERIENCE

Capstone Project: Jejak Sejarah – Bangkit Academy   Dec 2024
- Creating and analyzing datasets
- Implemented nearest_point function to determine the nearest point.
- Processing data using KMeans algorithm for clustering based on latitude and longitude.
- Build model architecture with TensorFlow and TensorFlow.js.
- Train and testing the model.

Creating Smart Irrigation IoT-based Systems Controlled via Mobile Devices - Depok   Jun 2024
- Creating a schematic using software
- Wiring each component in PCB Layout
- Assembly all of the component

Creating a flood detection tool simulation using Wokwi - Depok   Apr 2024
- Creating a circuit diagram using Wokwi for circuit simulation.
- Write the code for run the program

Installation of IoT Based Solar Panel Lights - Depok   Oct 2023 – Nov 2023
- Creating a circuit diagram using Proteus 8 and Wokwi for circuit simulation.

- Creating an article about the lights to provide a better understanding.

Creating PCB Using for Running LED - Depok   Nov 2023
- Creating a circuit diagram using Eagle PCB
- Wiring each component in PCB Layout
- Assembly all of the component

ORGANIZATIONAL EXPERIENCE

Chairman – KSM IoT UPN Veteran Jakarta   Jan 2025 – Now
- Develop the Vision, Mission, and Strategy of KSM IoT
- Lead and Coordinate All KSM IoT Activities
- Establish Partnerships and Increase KSM IoT Exposure

External Department - HMTE UPN Veteran Jakarta   Jan 2024 – Dec 2024
- Participating in the Indonesian Electrical Forum (FKHMEI)
- Running the Association Program, namely Industrial Visits

Software Engineer Division - KSM IoT UPN Veteran Jakarta   Jan 2024 – Dec 2024
- Learning C++ and Python programming languages.
- Creating a responsive web portfolio using HTML, CSS, and JS.
- Learn python and Django framework

TRAINING AND CERTIFICATION

- **Machine Learning and Generative AI at Bangkit Academy**   Sept 2024 – Dec 2024
  completed 20 courses: Basic Python, Machine Learning, Deep Learning, Convolutional Neural Networks, Natural Language Processing, Sequences, Time Series, and Prediction until Generative AI.
- **Employability Skills of Wadhwani Foundation**   Mar 2023
  Case studies in English covering various conditions in the world of work, communication, problem-solving, teamwork, attitude, and responsibility.
- **Data Analytics at Revo-U Mini Course**   Dec 2022
  I have learned about Introduction to Data Analysis, Basic Statistics, Data Processing and Cleaning, Python Programming, and Data Visualization.

SKILLS

Languages: Bahasa Indonesia (native) & English (conversation)
Hardskills: EAGLE PCB, Ms. Visual Studio Code, Proteus 8, Arduino IDE, PLC Outseal, Python, HTML, CSS, Javascript, Machine Learning.
Softskills: Problem Solving, Teamwork, Critical Thinking, Leadership, Adaptability, Time management.