FRANSISKUS ABEL PRAMUADI PUTRA

Bachelor of Electrical Engineering

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About

An Electrical Engineering final-year student with expertise in Internet of Things (IoT), Programmable Logic Control (PLC), and Machine Learning. I am proficient in using various tools and designing IoT and PLC systems using Arduino IDE, Kodular, Antares, Firebase, CX-Programmer, and CX-Designer. Proficiency in machine learning, from data processing to deployment process. Have a basic understanding in the field of high current electricity and renewable energy and am also able to operate tools such as ETAP, PVSyst, and DIALux. I am always looking for career opportunities in accordance with my majors and interests, as well as outside my talents and interests.

Education

Telkom University   August 2020 – Present

Bachelor of Electrical Engineering Degree
GPA: 3.69

Putra Nirmala Senior High School   July 2017 – June 2020

Science

Experience

- **Bangkit Academy**   February 2024 – July 2024

  Machine Learning Cohort   February 2024 – July 2024

  - Conducted independent studies in the field of tensorflow-based machine learning through Dicoding and Coursera learning platforms.
  - Creating a final project, namely the Tanamin.AI application which is an application that can predict suitable plants to be planted based on the soil conditions being measured.

- **PT. Industri Kereta Api (Persero)**   February 2023 – June 2023

  Electrical and Embedded Engineer   February 2023 – June 2023

  - Design and implement the Deadman Control and Emergency System Modularization project using Proteus software.
  - Design and implement the Signal Lamp of Cabin Selection Modularization project using Proteus software.
  - Designing the lighting design of the 612-car train room using DIALux software.
  - Analyzed the voltage flow and determined the appropriate cable size for electricity on commuter line trains using ETAP software.
  - Revised the wiring document for the Bangladesh Train using AutoCAD software.

- **Keluarga Mahasiswa Teknik Elektro (KMTE)** — May 2022 – June 2023

  Treasurer of Entrepreneurship Department — May 2022 – June 2023

  - Manage and organize the finances of the Entrepreneurship Department.
  - Contribute and collaborate to implement various work programs such as electro canteen operations, ordering jackets; t-shirts; and merchandise, and other matters related to the field of entrepreneurship.

- **Dasar Komputer Laboratory** — September 2021 – July 2023

  Senior Comittee Human Resources Development — July 2022 – July 2023

  - Mentoring new members in the HRD division to carry out the HRD division work program.
  - Responsible for the harmony between assistants and organized events.

  Vice Chairman of Assistant Recruitment — December 2021 – June 2022

  - Make decisions in the recruitment selection of computer basic laboratory assistant candidates based on the required criteria.
  - Organize and assist other divisions in carrying out their jobs.

  Practicum Assistant — September 2021 – July 2022

  - Teaching basic practicum courses of algorithms and programming to practitioners.
  - Designing major assignments and providing assistance for major assignments to practitioners which are carried out at the end of the semester.

  Human Resources Development Staff — September 2021 – July 2022

  - Contribute and participate in completing work programs such as thanksgiving, togetherness night, social services, assistant suits, graduation, and others.
  - Responsible for everything related to harmony between assistants or organized events.

Final Project

- **Automatic Gate System with combined Vehicle License Plate and Driver Face Recognition Technology** — June 2023 – July 2024

  Conducting a research and designing a system for the final project by making an automatic gate by recognizing the vehicle number plate and the face of the registered driver. This system is able to recognize the vehicle license plate and the driver's face as much as 29 out of 30 test data or has an accuracy of 96.67%.

Skills

Technical
- IoT
- Machine Learning
- PLC
- Low or high current electricity
- Renewable energy

Non Technical
- Leadership
- Teamwork
- Commitment

Language
- Indonesian – Native
- English – B2