



# RENDY CHRISTIAN

082120585206 | [rendychristiann@gmail.com](mailto:rendychristiann@gmail.com) | <https://www.linkedin.com/in/rendy-christian-siahaan/> | [github.com/rendychristiann](https://github.com/rendychristiann)

Jl. H. Amat I No.56, RT.004/RW.3, Kukusan, Beji, Depok City, West Java 16425

Final year Electrical Engineering student at Universitas Indonesia with a strong focus on emerging technologies. Possesses specialized skills in software development, artificial intelligence, and telecommunications. Enthusiastic about leveraging my expertise to innovate and impact the tech industry.

## Education Level

**Universitas Indonesia - Depok, Indonesia**

Aug 2020 - Aug 2024 (Expected)

*Degree in Electrical Engineering, 3.53/4.00*

- Took part in the 10th International Conference on ICT for Smart Society (ICISS) in 2023 and authored an IEEE paper with international recognition
- Actively participated in various social volunteer activities on campus such as Elektro Charity 2021, PSB DTE UI 2021, and Pemira FT UI 2020

## Work Experiences

**PT Kereta Api Indonesia (Persero) - Bekasi, Indonesia.**

Jan 2023 - Mar 2023

*Electrical and Telecommunication Engineer Intern*

- Assisted electrical supervisor in conducted daily inspections and maintenance on over 30 locomotive and railway electrical devices.
- Assisted and collaborated with a team to maintain the train dispatching wireless telecommunications infrastructure at Cipinang Locomotive Depot
- Diagnosed and repaired issues with train and railway electrical devices, gaining practical experience in inspecting and testing electrical systems.

**Telecommunication Laboratory Universitas Indonesia - Depok, Indonesia**

Jul 2022 - Dec 2023

*Laboratory Assistant*

- Collaborated with a diverse team of 15 assistants and a laboratory supervisor to conduct hands-on training sessions for over 50 students.
- Created a GUI for practicum simulation and signal analysis using MATLAB and Python.
- Maintained and calibrated laboratory equipment while offering technical support to students.
- Served as the person in charge for the Telecommunication Systems international program practicum, ensuring a seamless learning experience for 20+ students.

**Capstone Project of Electrical Engineering - Depok, Indonesia**

Aug 2023 - Dec 2023

*Software Developer*

- Led the project development and successfully launched the Fluzz Team website for monitoring the engineering faculty's toilets.
- Created the website's frontend using JavaScript to manage interactivity and data visualization, including charts and monitoring tables.
- Developed the backend algorithms with PHP and MySQL for real-time database management.
- Contributed in developing the microcontroller ESP32 program, system functionality, and final testing.

**Infinite Learning x Kampus Merdeka**

Feb 2024 - Jun 2024

*IBM Advance AI Cohort*

- Learned about various AI techniques and gained hands-on experience with popular AI frameworks and libraries, such as TensorFlow, Keras, and Flask.
- Led the team in developing deep learning algorithms for CNN-based sign language detection using Python.
- Led the capstone project team to develop a digital posyandu website with AI features for stunting detection, contributed to the frontend and backend development, as well as AI model development.

## Organisational Experience

**EXERCISE FT UI**

Jan 2022 - Jan 2023

*Vice Head of Training and Development*

- Managed a five-person cross-functional team and coordinated software training operations with three laboratories.
- Supervised several electrical software training (MATLAB, DIGSILENT, Proteus) for 50+ students at Universitas Indonesia's Faculty of Engineering.
- Organized and assisted a joint work program of IoT training activity for more than 30 undergraduate students with IME FTUI and IEEE SBUI.

*Vice Head of Studies and Strategic Action*

- Organized several collaborative activities such as webinars, training activities, and discussion forums for several students of the Department of Electrical Engineering, University of Indonesia, related to social and engineering issues
- Participated in an alliance studies regarding the discussion of Fly Ash and Bottom Ash (FABA) waste with BEM UI
- Created several essays and infographics on socio-technological and electrical engineering related issues

## **Skills, Achievements & Other Experience**

---

- **Hard Skills:** C/C++, JavaScript, Python, React, Express, Tailwind CSS, SQL, Microsoft Excel
- **Soft Skills:** Teamwork, Leadership, Project Management