

RAIHAN PUTRA DARMAWAN

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Sukabirus, Bandung, West Java.

A third-year Telecommunication Engineering student with a focus on front-end development and IoT (Internet of Things) development, who has a strong understanding of basic concepts. Various technologies and frameworks, including React, Next.js, Tailwind CSS, and IoT technologies, have been explored. Have expertise on creating seamless and responsive user interfaces. Passion for the convergence of front-end development and IoT solutions is evident. Passion for applying knowledge and skills in a professional environment as a front-end and IoT developer. Collaboration with teams, making positive contributions, and promoting personal growth in the dynamic and ever-evolving field of front-end and IoT development are enthusiastically anticipated.

WORK EXPERIENCES

CYBER-PHYSICAL SYSTEMS LABORATORY

August 2023 – Now

Research Assistant

- Responsible for IoT integration by creating a Monitoring Website to display IoT data and successfully displaying more than 1000 realtime data.
- Developed laboratory web as Front-end developer using React JS and Tailwind CSS and collaborated with Back-end in creating API.
- Successfully created an IoT device using ESP32, ESP8266 or Arduino UNO as well as various sensors and actuators.

EDUCATIONAL BACKGROUND

TELKOM UNIVERSITY

September 2021 – August 2025

Bachelor of Telecommunication Engineering (GPA 3.61 / 4.00)

- **Relevant Coursework:** Algorithms and Programming (C Language), Python Programming, Object Based Programming (Java).

8 TANGERANG SENIOR HIGH SCHOOL

Juli 2018 – Mei 2021

High School in Science Major, (GPA 89.21 / 100)

- Vice Coordinator of IT Club Extracurricular.

CERTIFICATION AND TRAINING

- Learning the Basics of JavaScript Programming, Certificate.
- Learning Structured Query Language (SQL), Certificate.
- Getting Started with Programming Basics to Become a Software Developer, Certificate.
- Learning Basic Project Management, Certificate.

PROJECTS AND PORTFOLIOS

- Project IoT Protection Box (ProBox), Link.
- Community Service by the Cyber-Physical System Laboratory at SMAN 1 Dayeuhkolot, Link.
- Portfolio Website, Link

ACHIEVEMENTS

- Participant in the Innovillage 2023 with the Tittle “Penerapan Sistem Pengeringan Efisien Daun Talas dengan Energi Terbarukan berbasis IoT untuk Menunjang Produktivitas Petani Talas di Desa Senduro”, Telkom Indonesia Community Development Center Unit, 2023.

SKILLS

- **Hard Skill:** HTML, CSS, Javascript, Node.js, Express.js, GIT, React.js, Next.js, Tailwind CSS, Bootstrap, SQL.
- **Soft Skill:** Team Work, Public Speaking, Leadership, Project Management.
- **Software Skill:** Microsoft Office.