

# ADHITYA NUR CAHYO

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I am freshgraduate in Telecommunication Engineering Diploma Degree, and now I'm final year student graduate in 2024. My internship experience at Badan Riset Nasional (BRIN) on the IoT System, specifically contributing to the IoT aquaculture project. This hands-on experience deepened my skills in teamwork, troubleshooting, hard working, and adaptation. My technical expertise includes programming languages such as Java and Python and proficiency in Layouting and Schematic design PCB. I am an active member of the Telecommunication Engineering Student Association in university. Eager to apply my skills and knowledge, I have high motivated to learn, I am well-prepared to contribute to innovative projects and further my professional development.

## Strengths and Expertise

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### Soft Skills

- Teamwork : capable to working with team, given ideas or planning to created project in team, given best performance and support each other to reach goals in team.
- Troubleshooting : capable to analytical and problem solving in IT (Information Technology) or Electrical system field.
- Critical thinking : in process created project or working given effective ways and focuss to get best results.
- Hard Working : given best performance to work on project or tasks and never give up to completed assignments.
- Adaptation : capable to adaptation and flexible in environment working.

### Hard Skills

- Networking : have knowledge in telecommunication system about network and protocol concept.
- Android Development : have experienced create project web application using Android Studio, Firebase and database MySQL .
- IoT and Electronic circuit : have knowledge and experience in IoT (internet of things) field, Microcontorller component such as Arduino, Sensor component, Electronic component.
- Linux Administrator : understanding to use base linux operating system.

**Interest :** IT(Information Technology field, such as IT Programming, IT Support, Devops Engineer, Web Developer, Cloud Computing, Software or Hardware Engineer), Telecommunication Engineer field, IoT(Internet Of Things) field, and Electrical Engineer field.

## Education

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**Politeknik Negeri Bandung- Bandung, Indonesia**

Aug 2021 – Jul 2024

*Diploma Degree in Electrical Engineering D-III Telecommunication Engineering Study Program (A), GPA 3.09/4.00.*

- Learn system communication networking, LAN and WLAN, computer networks, and fiber optic.
- Learning about Analog/Digital Telecommunication Systems and Antenna Transmitter/Receiver Systems.
- Created project Application Database Management System to make desain app basic with command interface for database library system with MySQL and Java program.

## Organization Experience

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### Telecommunication Engineering Student Association - Bandung, Indonesia

*Senior Staff of the External Departement.*

- Cultivating close cooperation between student organization internally.

### Medical Team Latihan Keterampilan Manajemen Mahasiswa Tingkat Dasar(LKKMTD) Polban - Bandung, Indonesia

- Manage medicine supply and work behind with the team to help mentee if had any problem.

## Certification

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### Train4best Indonesia – Junior Radio Frequency (RF) Planner 2024

This is training certification to learn about 5G networks concept, design link budget network, radio planning.

### Cisco Academy – Switching, Routing, and Wireless Essentials 2024

This course covers the essentials of switching, routing and wireless communication.

## Project and Experience

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### Final Project Feb 2024 – June 2024

This is the final project of the last semester in campus, with the title;

#### *Polban Food Application With Location Based Service Method* Apr 2023

- Design a system to make application (web application) with Android Studio, this application use for measure location every canteen place in Polban.
- Design a system that can provides information about everything in canteen example menu, price, and opening hours.

#### IoT and Microcontroller Projects

This is the final assignment of the 4th semester of one of the courses, with the title;

#### *Prototype Of IoT Monitoring System In A Electricity.*

- Design a system to measure power in battery

### Internship Program – Bandung, Indonesia Jun 2023 – Ags 2023

*Badan Riset dan Inovasi Nasional RI (BRIN) – IoT Research System*

- Create an IoT project in The Aquaculture Field Using Smartnanobubbles For Freshwater Shrimp Water.
- This system using PH Sensors, Oxygen Sensor that can monitored by smartphone

### SDS Kartika X-1 – Bandung, Indonesia October 2020 – Dec 2020

*Administrative Assistant*

- Helps Manage Administrative Data For Student