

# Faniel Sianipar

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I am an informatics engineering student at Lampung University. I have an unyielding personality and have a high curiosity. I am a student of Informatics Engineering at the University of Lampung. I am an individual who has strong motivation and determination and also has great enthusiasm to learn new things. I'm looking for experience to be able to develop my knowledge and skills in the field of technology.

## Education

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**Lampung University** Aug 2020 - Present  
Bachelor Degree in Informatics Engineering. GPA: 3.64/4.0

## Organizational Experiences

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**HIMATRO (Himpunan Mahasiswa Teknik Elektro) UNILA** Jul 2022 - Dec 2022

- Member of Humas, Kominfo Department 2022
- Coordinator of Humas Electrical Engineering in Action 2022 (EEA 2022)

## Projects and Technical Experiences

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**Air Quality Monitoring, Embedded System** Mar 2022 - Jun 2022  
This is a project to manufacture an embedded system tool that can detect air quality. To build this tool my team and I used an Arduino Uno microcontroller, several air sensors and other additional components. In this project I was in charge of assembling tools and participating in making program code.

**Air Quality Monitoring with Telegram, Internet of Things (IoT)** Oct 2022 - Dec 2022  
My team built an IoT system that can detect air quality. The components we use are the NodeMCU Esp8266 microcontroller, several air sensors and other components. For data monitoring, we design it using Telegram. In this project I was in charge of designing some of the IoT circuits and helped in making the program code.

**Website Air Quality Monitoring** Nov 2022 - Jan 2023  
We make an air quality detection system tool that can be monitored via a website that works on a local server. This website can display data in the form of graphs and tables in real time which is stored in the database. In this project I was in charge of making a website.

## Skills

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**Human Language:** Bahasa (Native), English (Intermediate)

**Programming Languages:** C (Arduino app), PHP, Javascript

**Others:** Teamwork, Analytical Thinking, Logical Thinking, Leadership