

## Raihan Rafif

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### EDUCATION

#### Institut Teknologi Bandung

2019 – 2023

Bachelor of Engineering Physics (GPA 2.99)

- Developing skills in programming with various programming language like Python, Arduino, and data modelling with MATLAB.
- Developing skills in electrical for robotics implementations.

#### Cilsy Fiolution

November 2020 – March 2021

Fullstack Javascript development (Score: 81.3 / 100)

- Developing Backend website using NodeJs, ExpressJs, Restful API, postgresQL, and do the testing using Postman
  - Developing Frontend website using ReactJS, SCSS, and Bootstrap 4
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### PROFESSIONAL EXPERIENCE

#### Avionic Hardware Control division – AKSANTARA ITB

2019 - 2020

- Achieved 3<sup>rd</sup> place at Technology Development Airframe (TDA) category of KRTI (Kompetisi Robot Tebang Indonesia)
- Responsible for firmware programming with Ardupilot for control system of avionic
- Responsible for electrical of Avionic

#### Fullstack Development project at cilsy

2020

- Building a online shipping website using ReactJs, NodeJs, ExpressJs, and PostgreSQL for the database

#### Freelancer Web developer in Cakra Motor company

Oktober 2021 – November 2021

- Responsible for developing item bundling features from items that already exist in the database.
- Responsible for developing synchronization features between company data items and company data items in marketplaces such as Tokopedia, Shopee, and Bukalapak.

#### Electrical, Control, and Telemetry division (ECT) of HALE UAV ITB Research Team

Januari 2022 – Juli 2022

- Responsible for maintaining power and signal schematics of HALE UAV ITB V4
- Responsible for firmware programming with Ardupilot for control system of avionic

**Intern Researcher and Design Engineer – Nakayama Iron Works, Ltd.**

**April 2022 – Present**

- Responsible for 3D modelling using solidworks software.
  - Responsible for developing a website to display the system battery management data in realtime using native PHP.
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**ORGANIZATIONAL EXPERIENCE**

**Chairman of Islamic organization – SMA Negeri 8  
Yogyakarta**

**2017 – 2018**

- Became a leader in supervising and giving instruction to organization that are responsible for 100+ students matters.
- Became an initiator to made the first AD/ART for the organization.

**The chief committee of training for Student Association for  
Environmental and Adventure Activity – SMA Negeri 8  
Yogyakarta**

**2017 - 2018**

- Become a leader to define event concept and supervise the event that are responsible for 10+ students matters.
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**SKILL**

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|------------------|---------------|
| • Frontend React | • SCSS        |
| • Backend Golang | • HTML        |
| ○ Gorm           | • Python      |
| ○ Gin-Gonic      | • Flutter     |
| • Backend NodeJs | • PostgreSQL  |
| ○ ExpressJs      | • Java Script |
| ○ HapiJs         | • Postman     |
| ○ Nodemon        | • mySQL       |
| • Backend PHP    | • NextJS      |
| ○ Laravel        | • Dart        |
| • CSS            |               |

Interest: Programming, Web Development, Android Developer