

# Rayhan Fadhlán Azka

[rayhanfazka07@gmail.com](mailto:rayhanfazka07@gmail.com) • (+62) 812-2021-9403 • [github.com/RayhanFadhlan](https://github.com/RayhanFadhlan)

Optimistic Informatics student with strong academic background. Passionate in software development and eager to learn new skills and knowledge.



## EDUCATION

---

### Institut Teknologi Bandung

August 2022 - present

*Informatics Engineering - GPA : 3.82/4.00 (Current - 3rd Year, 1st Semester)*

- Relevant Coursework: Algorithm and Data Structures, Object-Oriented Programming, Algorithm Strategies, Probability and Statistics, Database, Software Engineering, Operating System.

## EXPERIENCE

---

### Introduction to Computing Laboratory Assistant

September 2023 – December 2023

- Taught and evaluated first year ITB students across five practicum modules covering basic algorithm and data analytics using Python.

### Academics Team of STEI-K ITB 2022

December 2022 – June 2023

- Taught Introduction to Computing and Basic Programming to fellow classmates in preparation for practicums and exams, focusing on Python and Haskell. Provided support and guidance through tutorials to enhance understanding and programming principles.

### IoT Developer Intern at XL Axiata

July 2024

- Developed a portable NB-IoT network analyzer in collaboration with a team of three. Contributed to the design and implementation of the analyzer and engaged in testing, troubleshooting, and refining the device to ensure reliability.

## PROJECTS

---

### Sea Salon

- Developed a fullstack salon website where users can make reservations and create reviews. Utilized Next.js for both frontend and backend.

([seasalon.rayhanfa.me](https://seasalon.rayhanfa.me) , [github.com/RayhanFadhlan/sea-salon](https://github.com/RayhanFadhlan/sea-salon))

### Wikipedia Race

- Developed a Wikipedia Race website using Go as the backend and NextJS as frontend. Implemented backend algorithms with Iterative Deepening Search (IDS) and Breadth-First Search (BFS), utilizing multithreading to optimize performance.

([github.com/RayhanFadhlan/Tubes2\\_FE\\_MCCF](https://github.com/RayhanFadhlan/Tubes2_FE_MCCF), [github.com/RayhanFadhlan/Tubes2\\_BE\\_MCCF](https://github.com/RayhanFadhlan/Tubes2_BE_MCCF))

### Kingdom Management Game

- Developed a GUI/CLI based game using C++ that applied OOP principles.

([github.com/RayhanFadhlan/Tubes-OOP-1](https://github.com/RayhanFadhlan/Tubes-OOP-1))

## SKILLS & INTERESTS

---

- **Programming Languages:** C++, C, Python, Java, SQL, Go, C#, Javascript, PHP
- **Tools:** Git, Docker, Postman, Pandas, Next.js, Laravel
- **Interests:** Software Development, Competitive Programming