



# MISAEEL TAMPUBOLON

Medan, Sumatera Utara

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<https://misaeltpb.github.io/portofolio/>

Final year Computer Science student with interests in DevOps, Quality Assurance, Networking, and Web Development. Experienced in system analysis, project development, and collaborative teamwork. Adaptable, detail-oriented, and capable of learning new technologies quickly.

## Education

**Institut Teknologi Del - Laguboti, Indonesia**

Diploma In Computer Technologi – GPA  
2.85/4.00

Aug 2023- Present

## Project Experience

### **Food ordering application using QR Code**

Jan 2024- Jun 2024

1. Built a QR-based ordering system with menu display and order submission.
2. Designed UI and performed functional testing.

### **Fish feeding and water quality monitoring system powered by solar energy**

Jan 2025-Jun 2025

1. Implemented remote monitoring via Blynk IoT and solar-powered operation.
2. Developed an IoT system using ESP32, pH sensor, ultrasonic sensor, RTC, servo, relay, LCD.

### **CRC program for data error detection**

Oct 2023-Dec 2023

1. Implemented CRC algorithm in C for error detection in data transmission.
2. Performed polynomial division and remainder verification to ensure accurate data integrity checking.

### **Company Website Design and Development**

Jun 2025-July 2025

1. Independently designed and developed an official company website showcasing the company's profile, services, and contact information.
2. Created the UI/UX and implemented the frontend using HTML, CSS, and JavaScript.
3. Enhanced skills in responsive design and modern web development practices.

## Organisational Experiences

### **Student Association of computer engineering - HIMATEK**

Aug 2023 – Present

*Institut Teknologi Del - Laguboti, Indonesia*

1. Participated in member development programs to enhance both technical and soft skills.
2. Engaged in various organizational activities and collaborative projects with Computer Engineering students.

## Skills

**Soft Skills :** Adaptability, Communication, Team Collaboration, Problem Solving, Self-Motivated, Leadership, Project Management, Creativity, Time Management.

**Hard Skills :** DevOps (CI/CD, Docker, Kubernetes), Cloud Computing (AWS, Azure, GCP), Embedded Systems, Networking, Web Development (HTML, CSS, JS, PHP, MySQL), Automation Testing (Selenium, Robot Framework), Version Control (Git/GitHub), Programming (Java, Python, C), Quality Assurance (Manual & Automation Testing, API Testing), Front-End (HTML, CSS, JS, React).

**UML :** Use Case, BPMN, Class Diagram, Sequence Diagram, CDM, PDM, ERD.

## Certification

- Latihacks Certificate - Kenal Profesi Cyber Security Analyst
- RevoU Certificate – Intro To Software Engineering
- Dicoding Indonesia Certificate – Belajar Dasar-Dasar DevOps
- Palo Alto Network Certificate – Cloud Security Fundamentals
- Huawei Certificate – Computing Track

