



REFAEL PANGARIBUAN

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Laguboti, Toba, Sumatra Utara

A graduate candidate in Computer Technology from Institut Teknologi Del with experience in the IT field, including an internship at ACS Group PT Autojaya. Possesses skills in network management, operating systems, and troubleshooting. Eager to begin a career in IT Service Desk Support at Cimory.

Education

Institut Teknologi Del - Laguboti, Toba, Sumatera Utara

Sep 2022 - Oct 2025

- Program of Study: D3 (Associate Degree) in Computer Technology
- GPA: 3.08/4.00
- Focus: Networking, Security
- Relevant Courses: Network Security, Inter-Network, Computer Networking

Work Experience

Internship

Jan 2025 – Mey 2025

Machine Vision

- Assisted in the design and implementation of Machine Vision systems for automated quality inspection, Configured cameras and lighting for optimal image acquisition.
- Developed image processing algorithms for part measurement and defect detection.
- Integrated Machine Vision with PLCs to control automation equipment.
- Performed system troubleshooting and validation.

Achievements

- 1st Place Capture The Flag 2024 organized by BSSN and sponsored by Huawei.
- Participation in the BPJS Penetration Testing competition (Round 2).
- Participation in the Capture the Flag Competition organized by TNI.

Technical Skills

Networking:

- Network Topology
- Network Protocols (TCP/IP, DNS, SSH, HTTP, SMTP, FTP)
- Basic Network Device Configuration

Operating Systems:

- Windows and Linux

Programming

- Python, C, C++, C#, JavaScript

Soft Skills

- Problem-Solving: Analytical and efficient in identifying and resolving technical issues.
- Communication: Clear and effective communication with both technical and non-technical users.
- Teamwork: Collaborative and able to work effectively within a team.
- Time Management: Skilled in prioritizing tasks and managing time effectively.

Final Project

Load Balancing Strategy for SDN (Software-Defined Networking)

- Role: Project Manager
- Description:

Oversaw the design and implementation of a load balancing strategy to optimize network performance and reliability within an SDN environment.

Managed the efficient distribution of high-volume HTTP requests across multiple servers, preventing overloads.
- Technologies: VMware Linux, POX Controller, Raft, Round Robin.