



Rayhana Salsabila

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PROFILE

I am a student at SMK Negeri 1 Adiwerna, majoring in Computer and Network Engineering. I major in information technology (IT), cloud computing, web servers, and basic network troubleshooting. I am currently developing fundamental knowledge in cloud computing, including cloud infrastructure, networking, and system administration. I demonstrate a strong interest in IT, continuous learning, and adapting to evolving technologies. I am eager to apply my engineering skills and develop professionally.

EXPERIENCE

PT. Omadata Padma Indonesia

10 Desember 2025

Industrial Visit

- Gained insight into real-world IT industry practices, particularly in software development and cloud based solutions.
- Learned about basic cloud computing concepts, including cloud infrastructure, data storage, and service models.
- Observed how companies manage servers, networks, and data securely in a professional environment.
- Understood the workflow of IT projects, from planning, development, to deployment and maintenance.
- Introduced to teamwork and communication practices used in the workplace.
- Increased awareness of career opportunities in the iT and cloud computing field.

PROJECTS

Network Configuration Practice

- Performed basic network configuration such as IP addressing and subnetting.
- Configured network devices including routers and switches using simulation tools (Cisco Packet Tracer).
- Implemented network services such as DHCP and DNS in a simulated environment.
- Tested network connectivity using commands like ping and traceroute. ● Identified and resolved basic network issues through troubleshooting.

Automatic Water Dispenser System with Arduino

- Developed an automatic water dispenser system using Arduino and sensors.
- Programmed Arduino using C/C++ to control water flow automatically.
- Integrated components such as sensors, relay modules, water pumps, and microcontroller boards.
- Designed and assembled electronic circuits to support system functionality.
- Performed testing and troubleshooting to ensure reliable and safe operation.

PHP Login System Project

- Developed a user authentication system using PHP and MySQL.
- Implemented login and registration features with form validation.
- Managed user data securely using database integration.
- Applied basic security practices such as password hashing and input validation.
- Designed a simple user interface for login and registration pages using HTML and CSS.

Wireless Network Configuration in Cisco Packet Tracer

- Configure wireless networks using Cisco Packet Tracer.

- Set up access points, SSID, and network security (WPA/WPA2).
- Connected client devices to the configured wireless network.
- Tested network connectivity through simulation.

EDUCATION SMK Negeri 1 Adiwerna | Computer and Network

Engineering Cloud DevOps

- Red Hat System Administration I 8.2 (RH124)
- Red Hat System Administration II 9.3 (RH134)

Infrastructure

- Mikrotik Virtual Machine (Routing, Switching, VLAN, DHCP)
- Cisco Packet Tracer (Routing, Switching, VLAN, DHCP)

Web Development

- HTML5, CSS,
- PHP and MY SQL
- Wordpress with XAMPP

SKILLS

Technical

Linux System Administration, Cisco packet tracer

Personal

Strong Work Ethic, Time Management, Leadership, Public Speaking, Discipline, Problem Solving, Team Work, Adaptability and Flexibility

Language

Indonesian, English (Intermediate)