

MUHAMMAD ADIAN RAMADHAN

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Network Engineering Student with competencies in Routing, Switching, Electrical Installation, MikroTik configuration, and Cisco networking. Experienced Network Bootcamp Instructor with skills in OSPF, VLAN, PLC troubleshooting, physical infrastructure management, and logical network configuration. Highly adaptable, disciplined, and safety-focused, bringing industrial electrical standards into IT network environments.

WORK EXPERIENCE

- Network Bootcamp Instructor / Peer Trainer – IDN Polytechnic** November 2025
- Delivered project-based network engineering training (routing, switching, VLAN, OSPF, subnetting, firewall) following MTCNA & MTCRE
 - Managed hands-on labs using MikroTik RouterOS for practical configuration exercises.
 - Assisted students in troubleshooting and resolving configuration errors during practical assessments.
 - Communicated technical topics clearly to improve student learning outcomes and performance.
- PT. Sinergi Gula Nusantara (SGN) | Technician | Intern** January 2023 - May 2023
- Installed and maintained electrical distribution panels based on safety and efficiency standards.
 - Assembled, configured, and troubleshooted Elmo systems to ensure smooth and optimal operations.
 - Handled electrical power and lighting installations in both office and factory areas, ensuring full compliance with safety regulation
- Operator Komputer Madya VSGA | BPSDMP Surabaya** August 2024 - August 2024
- Operated data entry systems and managed basic databases to support daily operational tasks.
 - Skilled in using Microsoft Word, Excel, and PowerPoint for reporting and data presentation.
 - Applied digital marketing strategies through social media platforms to increase audience reach and engagement.
 - Helped maintain user data privacy and prevent security breaches during digital operations.

EDUCATION

- Polytechnic IDN | Computer Network Engineering** July 2025 - Currently
- A hands-on and comprehensive study program covering planning, installation, and maintenance of electrical power systems from residential buildings to industrial facilities.
 - The curriculum dives deep into Electrical Panels, PLC systems, Elmo (Electric Motors), and electrical data analysis to support efficient operations.
 - Gained practical experience with a strong focus on electrical safety and real industry standards
- PGRI 1 SDA | Vocational School of Electrical Power Installation Engineering** July 2021 - May 2024
- A hands-on and comprehensive study program covering planning, installation, and maintenance of electrical power systems from residential buildings to industrial facilities.
 - The curriculum dives deep into Electrical Panels, PLC systems, Elmo (Electric Motors), and electrical data analysis to support efficient operations.
 - Gained practical experience with a strong focus on electrical safety and real industry standards

SKILLS

Soft Skills

- Technical Instruction & Mentoring, Analytical Problem Solving, Adaptability (Field & Office), Team Leadership, Time Management, Attention to Detail.

Hard Skills

- Network Engineering: MikroTik RouterOS, Cisco IOS, Routing & Switching (OSPF, BGP, VLAN, STP), Network Security (Firewall Rules, NAT, VPN Tunneling L2TP/IPsec), Bandwidth Management (QoS, Queue Tree), Wireless Networking (Hotspot, PTP/PTMP), Network Troubleshooting.
- Electrical & Automation: Industrial & Residential Electrical Installation, PLC Programming, Electrical Panel Assembly (LVMDP, SDP, Control Panel), 3-Phase Electric Motor Maintenance, Electro-Pneumatic Systems, CNC Basic Operation, Electrical Data Analysis.
- Software & Tools: Cisco Packet Tracer, GNS3, EVE-NG, Winbox, Microsoft Office Suite (Excel, Word, PowerPoint), Canva, Generative AI Prompt Engineering.