

ABDURRAHMAN AMMAR IHSAN

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SUMMARY

An active student majoring in Informatics and Computer Engineering, currently pursuing a D4 degree in Multimedia and Network Engineering at State Polytechnic of Jakarta. Demonstrates strong motivation and a keen desire to learn new skills with a meticulous attention to detail, particularly in computer networking and Cyber Security, gaining knowledge through both online and offline courses, as well as academic coursework

EXPERIENCE

Computer Technician Intern, Anugra Jaya Computer **Mei 2021 - July 2021**

- Install and configure computers.
- Diagnose and fix hardware and software problems.
- Perform routine maintenance and diagnostics on computers and networks to ensure optimal performance.

IoT Engineering Intern, Dr. Mekanik Academy **September 2024 - Desember 2024**

- Developed IoT projects (Smart Home, Door Lock, Smoke Detector) using Wokwi simulator.
- Integrated Blynk app for real-time monitoring and control.
- Collaborated in a team under Project-Based Learning for system automation.

EDUCATION

State Polytechnic of Jakarta – Jakarta, Indonesia **2022 - Present**
D4 Multimedia & Network Engineering (Cumulative GPA: 3.39/4.0)

SMK TUNAS BANGSA DECES **2019 - 2022**
Average Score 88.28/100.00

ORGANIZATIONAL EXPERIENCES

Member of Computer Student Club at Politeknik Negeri Jakarta **2022 - 2023**

- Developed skills in designing and testing electronic circuits using BreadBoard.
- Creating IoT Projects with Blynk
- Mastered the use of the ESP8266 WiFi module for IoT projects.

PROJECT

Project-Based Learning SCAN IN : Attendance System Using **Maret - Juni 2025**

Fingerprint

- Built a fingerprint-based attendance system using ESP32, Fingerprint Sensor, RTC, OLED, and Buzzer.
- Captured user photos with ESP32-CAM after successful verification.
- Transferred raw .jpg images via ESP-NOW to another ESP32 for further processing.
- Deployed and tested fully on real hardware without simulation.

COURSE and CERTIFICATION

PT BONET UTAMA | Certificate Of Competency Assessment | Teknik Komputer dan Jaringan

Juni 2022 - No Exp

- Gathering technical user requirements for networks.
- Gathering network equipment data with appropriate technology.
- Installing wireless networks.

CERTNEXUS | Internet of Things BIZ

January 2025 - No Exp

- Demonstrated foundational knowledge of IoT concepts, applications, and business implications.
- Gained insights into how IoT can drive business innovation, efficiency, and decision-making.
- Explored key components of IoT systems including devices, connectivity, data, and analytics.

Cisco Networking Academy | Networking Basics

October 2024 - No Exp

- Explain how routers connect networks together.
- Use various tools to test and troubleshoot network connectivity.
- Configure an integrated wireless router and wireless client to connect securely to the internet.
- Explain important concepts in network communication, network types, components, and connections.

Cisco Networking Academy | Networking Device & Initial Configuration

November 2024 - Now

- Explain components of a hierarchical network design.
- Calculate numbers between decimal, binary, and hexadecimal systems.
- Explain how Ethernet operates in a switched network.

Cisco Networking Academy | CCNA: Introduction to Networks

May 2025 - Now

- Configure switches and end devices to provide access to local and remote network resources.
- Explain how physical and data link layer protocols support the operation of Ethernet in a switched network.
- Configure routers to enable end-to-end connectivity between remote devices.
- Create IPv4 and IPv6 addressing schemes and verify network connectivity between devices
- Explain how the upper layers of the OSI model support network applications.
- Configure a small network with security best practices.
- Troubleshoot connectivity in a small network.

ADDITIONAL SKILLS

Technical: C++, Python, PHP, HTML, CSS, JS, MySQL, Ms Office, Cisco Packet Tracer, Crimping, Bash, Web Scanning, Network Configuration, Sensor Integration.

Soft Skill: Effective team collaborator, creative thinker, and proficient in time management.

Languages: Indonesian (Native), English (B1 Intermediate).