

IHAB HASANAIN AKMAL

UNDERGRADUATE STUDENT

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SUMMARY

A 5rd semester student majoring in Information Technology with a **GPA of 3.96**. I actively participate in organizations, developing teamwork, leadership and communication skills. Apart from that, I enriched my learning experience by taking online courses and bootcamps, strengthening my interest in **Telecommunications sector, Data Science and IT support**. My expertise is more than just technological knowledge, including **computer architecture, network architecture, IoT and security**. For general skills, I am quite proficient in Excel, design and MS Office.

EDUCATION

Telkom University - Bandung, Indonesia	Sep 2023 - Present
Bachelor Degree of Information Technology	
• GPA 3.96/4.0	

Relevant courses: Artificial Intelligence, IT Governance, IT Management, Security Audit, Web Development, Cloud Computing, Project Management, IoT, Database Management System, and Computer Network.

PROFESSIONAL EXPERIENCE

PT. Fiber Network Indonesia - Surabaya, Indonesia	Jun 2022 - Nov 2022
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Intern Network Engineer

- Participated in network installation at PTTUN Surabaya. Starting from **LAN cable** installation, **Access Point** configuration, and port labeling.
- Assist technicians in carrying out maintenance at client premises.
- Observe the location of prospective clients to carry out installation by looking for the right location to lay the cable and estimate the devices needed such as **Access Point, HTB, Mikrotik** etc.

Wijaya Putra University - Surabaya, Indonesia	Jul 2024 - Aug 2024
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Intern IT Support

- Participated in network installation in the new building Lab, including installing LAN cables, crimping **RJ45** connectors and **switches**.
- Installation of software for student practice to support teaching and learning activities on campus.
- Prepare the facilities needed when there is an event, such as **microphone, camera, internet**, etc.
- Assisting in running **podcast events** on campus, such as setting the **background, camera, lighting** and **OBS**.

Informatics Lab - Bandung, Indonesia	Feb 2024 - Dec 2025
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Practicum Assistant of Programming Algorithm II

- Assisted three classes, each comprising over 40 students, in the study of Programming Algorithms.
- Provided guidance and support to students in the implementation of if-else conditions and loop algorithms utilizing **Go-Lang** during Programming Algorithm practicums.
- Collaborated with fellow assistants to optimize the management of practicum activities and ensure a seamless workflow.
- Conducted comprehensive assessments of student practicum assignments, adhering to established evaluation rubrics.

Practicum Assistant of Operating System	Sep 2025 - Dec 2025
<ul style="list-style-type: none"> Assisted 2 classes, each comprising over 35 students, in the study of Operating System. Provided guidance and support to students in practice of Linux Ubuntu and Xinu, Syscall, Source Trail, Semaphore, GCC, Bash Scripting, Security, and GPG. 	
Practicum Assistant of Programming Algorithm I	Sep 2025 - Dec 2025
<ul style="list-style-type: none"> Assisted 1 class, comprising over 35 students, in the study of Programming Algorithms. Provided guidance and support to students in the implementations of basic Programming utilizing Go-Lang. 	
Telkom University - Bandung, Indonesia	Feb 2024 - Dec 2025
Assistant Lecturer of Programming Algorithm	Feb 2024 - Jul 2024
<ul style="list-style-type: none"> Assisted the lecturer in preparing and delivering course materials, including lecture content, presentations, and supplemental resources. I guided over 35 students, achieving a passing rate of over 90%. Facilitated classroom discussions to enhance comprehension of complex topics such as subprograms, pointers, user-defined types, recursion, searching, and sorting algorithms. Assessed assignments, quizzes, and exams, providing constructive feedback to optimize student learning outcomes 	
Assistant Lecturer of Discrete Mathematics	Jul 2024 - Dec 2025
<ul style="list-style-type: none"> Aided students in comprehending complex concepts such as Pigeon Hole Principle, Mutations, Combinations, Graph, and Tree. 	
Assistant Lecturer of Mathematical Logic	Sep 2025 - Dec 2025
<ul style="list-style-type: none"> Facilitated classroom discussions to enhance comprehension of complex topics such as Propositional Logic, Predicate Logic, Programming Logic, Math Induction, and Proofing Technique. 	
Assistant Lecturer of Data Structure	Sep 2025 - Dec 2025
<ul style="list-style-type: none"> Aided students in comprehending complex concepts such as Data Struct, Linked List, Binary Tree, Stack and Queue. 	
Assistant Lecturer of Multimedia System	Sep 2025 - Dec 2025
<ul style="list-style-type: none"> Facilitated classroom discussions to enhance comprehension of complex topics such as Data Compression, Image & Colour, Cryptography, and Digital Sampling. 	
Human Centric Engineering Research Center - Bandung, Indonesia	Sep 2025 - Dec 2025
Intern Data Science	
<ul style="list-style-type: none"> Literature study about Computer Vision for Breast Cancer Detection Building a model with Deep Learning for Breast Cancer Detection Integrating the model with XAI using Machine Learning 	
Adaptive Network Laboratory - Bandung, Indonesia	Jul 2024 - Present
Research Assistant	
<ul style="list-style-type: none"> Research in SDN and IoT collaborating with Universiti Teknologi Malaysia (International Collab) Learning NDN, 5G, Cloud, Django Responsible for leading and preparing mentor for the research. Become trainers in about Networking in a BootCamp 	
Advance Network Research Group - Bandung, Indonesia	Jul 2024 - Sep 2024
Research Assistant	
<ul style="list-style-type: none"> Learning about 5G such as Open5GS, Nephio, and RIC. Documentating my learning journey. Proposed the Sleep Cell mode in 5G Architecture. 	

COMMITTEE EXPERIENCE

Committee of PKKMB Telkom University 2025 - Bandung, Indonesia

Jul 2024 - Sep 2024

Liaison Officer

- Official Telkom University Committee to Welcome new Students
- Responsible assisting over 40 new students
- Introducing them into the campus life

Megabit 8.0 - Bandung, Indonesia

Jul 2024 - Sep 2024

Liaison Officer

- Official Informatics Department to Welcome new Information Technology Students
- Responsible assisting over 40 new students
- Introducing them about Information Technology Major

SKILLS

- **Language** : Native Indonesia, Intermediate English, Basic French
- **Softskill** : Problem solving, collaborative teamwork, critical thinking, design thinking, creative thinking.
- **Software** : Microsoft Office, Java, C++, Go, Python, Linux, Docker, Kubernetes, Laravel, Django, Springboot, TensorFlow.
- **Hardskill** : Deep Learning, Computer Vision, IoT, Telecommunication.

CERTIFICATION

- **Networking Fundamentals by Microsoft**
- **IT Specialist - Network Security and IC3 Digital Literacy by Certiport.**
- Complete International standard courses such as **CCNA:SRWE, CCNA:ENSA, CCNA:IoN, CyberOps Associate** by Cisco and **Google IT Support** by Coursera.
- Complete National Training, **Junior Network Administration** and certified by **BNSP**

ACHIEVEMENTS

- **Second Prize** Network Track in **Huawei ICT Competition** 2024-2025 Asia Pasific
- **2nd Winner** Network Track in **Huawei ICT Competition** 2024-2025 National
- **1st Winner** PKM held by Department of Communication & Social Sciences, **Telkom University**