

# GILANG WASIS WICAKSONO

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## PROFILE

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As an Information Technology undergraduate at Telkom University, I have developed a robust knowledge base in algorithms, programming languages, and computer fundamentals. I am keenly focused on pursuing opportunities within Cybersecurity, Artificial Intelligence (AI), and the Internet of Things (IoT), and I am driven by a commitment to become a premier IT resource in Indonesia.

## EDUCATION

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### SMA NEGERI 7 TAMBUN SELATAN

SAINS | GPA : 87 / 100

2020 - 2023

### TELKOM UNIVERSITY

Information Technology | GPA : 3.94

2023 - Now

## TECHNICAL SKILLS

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### FULLSTACK WEB DEVELOPER

- Node.js
- Express.js
- Bootstrap CSS
- API Website Integration

### PROGRAMMING LANGUAGE

- Golang
- C++
- Python
- Javascript
- Dart
- Kotlin

### UI / UX DESIGN

- UI Design
- User Research
- UX Experience

### HARDWARE & IOT

- Raspberry Pi Development
- ESP32 / ESP8266 Programming
- MQTT & IoT Communication Protocols
- Embedded Systems Programming
- Circuit Design & Prototyping
- Arduino Programming

## ARTIFICIAL INTELLIGENCE

- Machine Learning Model Development (Classification, Regression, Clustering)
- Computer Vision (OpenCV, Image Processing, Object Detection)
- Model Training, Optimization & Deployment
- LLM (Large Language Model)

## CYBER SECURITY

- Threat Intelligence & Incident Response
- OSINT (Open Source Intelligence) Investigation
- Digital Footprinting & Reconnaissance
- Network Traffic Analysis (Wireshark, tcpdump)

## ORGANIZATION

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**MEMBER WEB DEVELOPMENT CENTRAL COMPUTER IMPROVEMENT** 2023 - 2024

- Project Base Learning Seavent

**TREASURER CENTRAL COMPUTER IMPROVEMENT** 2024 - 2025

- Financial Record Automation using Excel and Python
- Financial Data Security through Encryption, Backup, and
- Access Control
- Budget and Expense Management

**STUDY GROUP HARDWARE EMBEDDED SYSTEM LABOLATORY** 2024 - 2025

- Project Base Learning IoT & Embedded “Si PH” for Land

**RESEARCH GROUP HARDWARE EMBEDDED SYSTEM LABOLATORY** 2025 - Now

- IoT Community Service Project and Embedded System to Detect Childhood Pneumonia at Batununggal Posyandu

**UI/UX INTERNSHIP MOTION LAB** 2024 - 2025

- Project Base Learning UI & UX “Cargo Link”

**STUDY GROUP MULTIMEDIA LABOLATORY** 2025 - Now

- Project Base Learning Computer Vision for Traffic Violations

**ASISTANT PRACTICUM INFORMATICS LABORATORY** 2025

- Asistant Practicum Algorithm Programming
- Asistant Practicum Data Structure

**STAFFMUDA HIMPUNAN INFORMATION TECHNOLOGY** 2024 - 2025

**VICE CHAIRMAN FORESTY LABORATORY** 2025 - Now

- Splunk's Security Information and Event Management (SIEM) Handbook Project

## EXPERIENCE

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- **Event Committee Member**, New Student Orientation Program (PKKMB), S1 Information Technology Program 2024
- **Project Lead**, Community Service Project: "Basic Programming and Coding for Middle School Students" 2024

- **Project Lead**, Community Service Project: "Utilization of AI tools for teachers in junior high schools" 2025
- **Project Lead**, Community Service Project: "Pustaka GenBI: Kolaborasi Untuk Literasi Negeri" 2025
- **Staff**, Community Service Project: "Kasih GenBI: Mendekap Harapan Merangkul Masa Depan" 2025

**WORK EXPERIENCE**

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- Cyber Threat Intelligence at the Intelligence and Security Agency of the Republic of Indonesia Police Headquarters 2025

**ACHIEVEMENT**

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- **4th Place** in the Scientific Article Competition of the Brawijaya National Youth Competition (BNYC) at Universitas Brawijaya 2025
- **Finalist** of the Hackathon "Hackfest" at Ciputra University Surabaya 2025
- **1st place winner** of the 2025 Adikara innovation competition 2025

**AWARDEE**

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- Bank Indonesia Scholarship Awardee 2025