GILANG WASIS WICAKSONO

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https://langss1.github.io/Portfolio/

PROFILE

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

SMA NEGERI 7 TAMBUN SELATAN
SAINS | GPA : 87 / 100   2020 - 2023

TELKOM UNIVERSITY
Information Technology | GPA : 3.94   2023 - Now

TECHNICAL SKILLS

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 Languange Model)

CYBER SECURITY

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

ORGANIZATION

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

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

WORK EXPERIENCE

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

ACHIEVEMENT

- **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

- Bank Indonesia Scholarship Awardee   2025