



# Luthfie Yannuardy

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Internet Engineering Undergraduate student with strong interest in Cybersecurity, Automation, and Artificial Intelligence. I have hands-on experience engineering SOAR architectures to streamline SOC operations and executing direct incident response on critical infrastructure. Skilled in Python, Docker, and AI integration to build secure and intelligent systems.

## WORK EXPERIENCE

**PT. Teknologi Server Indonesia (X-Code)** – Yogyakarta, Indonesia  
*Internship* Sep 2024 – Nov 2024

- Designed and implemented a SOAR-based automated incident response pipeline using **Wazuh, Shuffle, TheHive, and Cortex** to streamline SOC workflows and alert management.
- Conducted penetration testing on internal web applications and participated in CTF challenges to identify system vulnerabilities and sharpen exploitation skills.
- Monitored internal infrastructure health, investigated resource anomalies, and executed direct remediation on affected virtual environments to isolate threats.

## EDUCATION

**Universitas Gadjah Mada** – Yogyakarta, Indonesia Aug 2023 – Aug 2027 (Expected)  
*Applied Bachelor of Internet Engineering / GPA: 3.82/4.00*

- Tech Enthusiast Day 2024 (Competition Staff)**: Designed competition rules, organized technical meetings, and managed livestreams.
- TGES 2024 (Competition Staff)**: Authored guidebooks for competition rules and supervised the event execution.

**Politeknik Negeri Bandung** – Bandung, Indonesia Aug 2021 – Dec 2022  
*Associate of Informatics Engineering*

- Himpunan Mahasiswa Komputer (Documentation & Design Staff)**: Designed weekly Instagram posts and managed event documentation.

## PROJECTS

**Lumina Research (Autonomous AI Agent)** | *Independent Project*

- Engineered an autonomous AI agent using **LangGraph** and **Google Gemini** to automate complex research workflows, synthesizing data from web and academic sources into comprehensively cited reports via **Streamlit**.

**AI Vulnerability Scanner** | *Independent Interdisciplinary Course Project*

- Developed a web-based AI vulnerability scanner integrating **Nmap** and LLMs to automate threat analysis and generate professional reports.

**Smart Home Prototype** | *IoT Course Project*

- Built a Smart Home prototype with a web application dashboard to manage automated utilities using **NextJS**, **FastAPI**, **MongoDB**, and **MQTT**.

**Adult Income Classification** | *AI Course Project*

- Implemented Ensemble Learning and hybrid Deep Learning (**CNN+LSTM**) models to classify adult income based on census data.

**IoT Room Temperature and Humidity Monitor** | *Embedded System Course Project*

- Built a real-time room temperature and humidity monitoring system using **ESP8266**, integrated with **Blynk** for visualization and **Firebase** for data logging.

**Traveloka Web Scraper** | *Database Systems Course Project*

- Developed a Python web scraper using **BeautifulSoup** and **Selenium** to extract Traveloka data into Google Cloud Datastore.

## SKILLS

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**Programming:** Python, C, SQL

**Databases:** MySQL, MongoDB

**Cybersecurity:** Nmap, Wireshark, Wazuh, Burp Suite, GoBuster, SQLMap

**AI & Data:** Scikit-learn, Tensorflow, LangGraph, Selenium, Beautiful Soup

**Web:** FastAPI, Streamlit, NextJS

**IoT & Networking:** Arduino IDE, ESP, MQTT, Mikrotik

**Infrastructure:** Docker

**Soft Skills:** Adaptability, Collaboration, Critical Thinking, Time Management

**Languages:** Indonesian (Native), English (Professional)