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   Sep 2024 – Nov 2024
Internship

- 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

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)