

Andrea Gaetani

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Education

Università degli studi dell'Aquila

BS IN INFORMATION ENGINEERING

GPA: 3.3

L'Aquila, Italy

2019 – 2023

Università degli studi dell'Aquila

MS IN COMPUTER ENGINEERING

L'Aquila, Italy

2023 – Present

Skills

Programming Languages: Python, Java, Javascript/Typescript, C/C++, C#

Security: Network Security, Vulnerability Assessment, Security Auditing, Software Exploitation

Development: Software Development Lifecycle (SDLC), Object-Oriented Programming, Agile Development, GitHub

Containerization: Docker/Podman, Docker-Compose, Multiservice Architecture

System Monitoring: Grafana, Prometheus, Logging, Performance Monitoring

Pipeline as Code: Jenkins, CI/CD

Database Management: MySQL, PostgreSQL, MongoDB, Redis

AI/ML Applications: PyTorch, Ollama, LLM, Pydantic

Projects

Discrete Logarithm Suite

PYTHON ALGORITHM SUITE FOR SOLVING DISCRETE LOGARITHMS

Python, Cryptography, Mathematics

https://github.com/T4n17/dlog_suite

Active Directory LAB

A SMALL PRIVATE NETWORK RUNNING AN ACTIVE DIRECTORY

Vagrant, Active Directory, Windows

Server

<https://github.com/T4n17/adlab>

Angr Overflow Finder

A CONFIGURABLE PYTHON SCRIPT TO AUTOMATICALLY FIND OVERFLOWS AND POTENTIALLY GENERATE INPUT TO TRIGGER THEM

Python, Reverse Engineering, Binary

Analysis, Vulnerability Analysis,

Symbolic Execution

https://github.com/T4n17/overflow_finder

Infrastructure Monitor System

A COMPREHENSIVE INFRASTRUCTURE MONITORING SOLUTION USING PROMETHEUS AND GRAFANA.

Prometheus, Grafana, Docker,

Logging, Performance Monitoring

<https://github.com/T4n17/inframonitor>

Docker Development Lab

A SECURE CONTAINERIZED DEVELOPMENT ENVIRONMENT WITH SSH ACCESS AND SECURITY HARDENING FEATURES.

Docker, Docker-Compose, Security

Hardening, Development

Environment

<https://github.com/T4n17/dockerdevlab>

Smart Text Analysis

A NATURAL LANGUAGE PROCESSING (NLP) PLATFORM THAT PROVIDES TEXT ANALYSIS CAPABILITIES

Python, NLP, AI, Streamlit, FastAPI,

transformers, Huggingface

[https://github.com/T4n17/smart-text-](https://github.com/T4n17/smart-text-analysis)

analysis

AI Zork

LET YOUR LLM PLAY ZORK!

Python, LLM, Ollama, Pydantic

<https://github.com/T4n17/aizork>