TRUSTWORTHY ARTIFICIAL INTELLIGENCE FOR CYBERSECURITY REINFORCEMENT AND SYSTEM RESILIENCE

An Ecosystem of next generation AI-based services for critical system robustness, resilience, and appropriate response in the face of advanced and AI-powered cyberattacks.

AI4CYBER Ecosystem

- **AI4VULN** - Code testing: An open-source solution to automatic identification and verification of vulnerabilities and weaknesses in the code with much higher accuracy than existing vulnerability analysis solutions thanks to applying symbolic execution and the use of AI to support scalability.

- **AI4FIX** - Vulnerability fixing: An open-source end-to-end vulnerability fixing solution supporting Java, bringing automatic unit testing and proposed fixes, which enables to shift the fixing of the vulnerability much earlier in the software development flow, which in turn saves development time and reworks.

- **TRUST4AI** - Trustworthiness of AI: A set of highly innovative methods and models ensuring trustworthiness of AI systems.

- **AI4FIDS** - Federated Detection of threats: A high-performance and accuracy detection solution for Advanced and AI-powered threats detection in distributed environments where privacy of data processed by detection agents need to be kept.

- **AI4SIM** - Threat simulation: An advanced cyberattacks simulation solution capable to simulate advanced and AI-powered attacks against IT, OT and IoT systems depending on the customer needs.

- **AI4TRIAGE** - Incident triage: AI-based root cause analysis and alert triage to prioritize events to focus on the response.

- **AI4SOAR** - Security Orchestration, Automation and Response: AI-powered Security Orchestration, Automation and Response solution capable to deploy multiple security controls at different layers of the system for better react against cyber incidents and attacks.

- **AI4ADAPT** - Long-term adaptation: AI-based service that enriches the AI4SOAR with long-term response based on self-learning the system status and the efficiency of the security controls deployed.

- **AI4DECEIVE** - Deception and honeypots: The intelligent deception mechanisms that will enrich the response of the AI4SOAR.

- **AI4COLLAB** - Information sharing and collaboration: Automatic anonymous sharing of incident information.

**The Team**

**Sectors**

- **Banking**
- **Energy**
- **Health**

**Stay Updated**

https://ai4cyber.eu/  
https://www.linkedin.com/company/ai4cyber/  
https://twitter.com/AI4Cyber