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Risks of Employing AI Agents in Smart Environments

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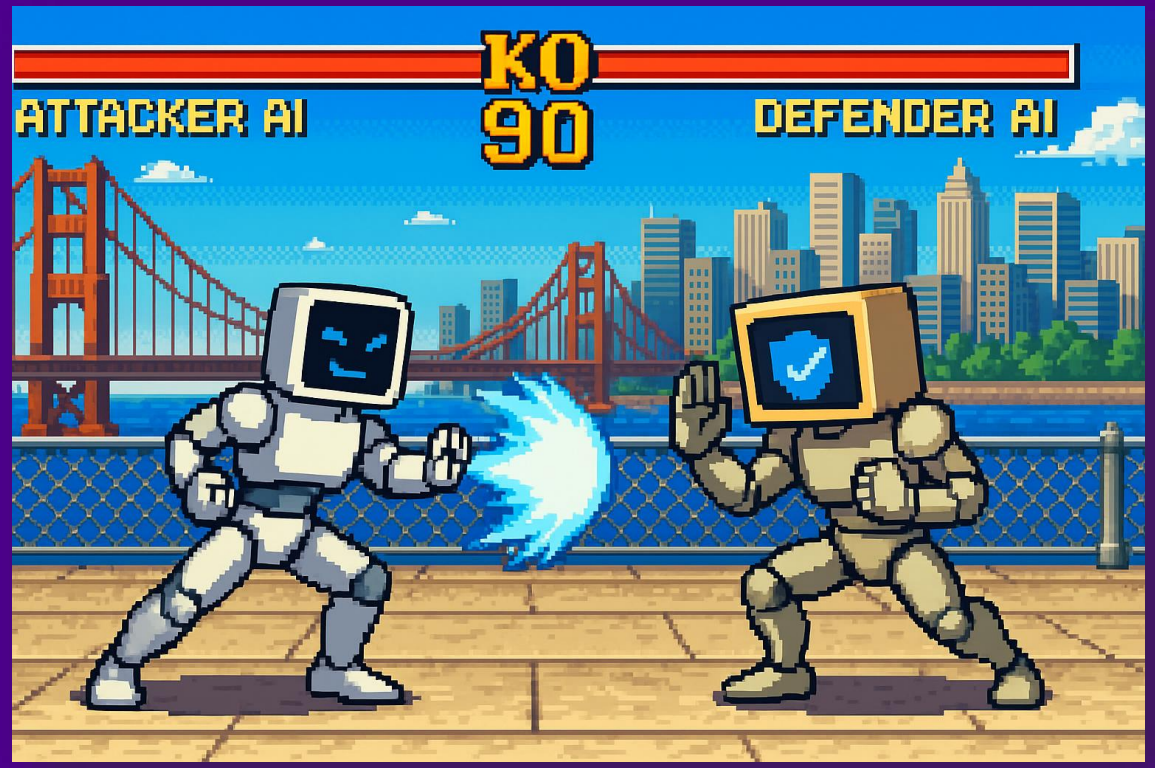
Why This Matters

- AI agents are everywhere in smart environments
- Benefits are huge, so are the risks
- **Goal:** map the top risks and the fixes

Cybersecurity

- Adversarial & data-poisoning attacks
- Model inversion / extraction & backdoors
- DoS can cripple critical infrastructure
- Weak data protection ⇒ breaches & automated attacks



Ethics, Privacy & Human Rights

- Algorithmic bias → unfair outcomes
- Black-box opacity erodes accountability
- Massive personal-data collection
- Surveillance, vulnerable groups

Conclusion

- Risks are interconnected
- Trustworthy AI = lawful, ethical & robust
- Invest now: secure design, control mechanisms

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Thank you!

Questions?

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