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(57) Abstract :

The invention provides an AI-integrated intrusion detection system designed for IoT-enabled smart cities, leveraging machine learning and edge computing to detect and mitigate cyber threats in real-time. The system uses adaptive AI models that continuously learn from new attack patterns, ensuring proactive defense against evolving threats. By utilizing edge computing for low-latency anomaly detection and employing unsupervised learning techniques to identify unknown attacks, the system offers scalable, automated security for IoT networks, enhancing the overall safety and resilience of smart city infrastructures.

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