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Patent Search

Invention Title	ARTIFICIAL INTELLIGENCE BASED AUTOMATIC INTRUSION DETECTION SYSTEM USING DATA MINING AND MACHINE LEARNING METHO[...] CYBER SECURITY INTRUSION DETECTION
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Abstract:

The present invention relatesto provide an Artificial Intelligence based Automatic Intrusion Detection system using data mining and machine learning methods for cy[...] intrusion detection.An IDS can be used as a security tool which can help organizations detect and respond to security threats quickly, preventing or minimizing the da[...] caused by the intrusion. When data mining and machine learning technologies are embedded with Intrusion Detection System it is known as an Artificial Intelligence-[...] Automatic Intrusion Detection System. It is designed to detect abnormal behavior patterns in computer networks, which may indicate a security breach.

Complete Specification

Description:Technical field of invention:

The present invention relatesto provide an Artificial Intelligence based Automatic Intrusion Detection system using data mining and machine learning methods for security intrusion detection.

Background:

An Intrusion Detection System (IDS) is a security tool to detect unauthorized access, malicious behaviour, or policy violationsand alert security personnel or automa systems about potential security threats before they can cause harm.

There are two main types of IDS:

1.   Network-based IDS monitors network traffic for signs of suspicious activity, such as unusual network traffic patterns or known attack signatures.

2.   Host-based IDS monitors system logs and activity on individual devices, such as servers or workstations, for signs of malicious behaviour or policy violations.

View Application Status