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(57) Abstract :

The present disclosure relates generally to field of artificial intelligence and cybersecurity. More specifically the present invention relates to an artificial intelligence based security analytics system. The system (100) includes a controller (102) embedded with a set of machine learning algorithms and models trained to detect a plurality of security threat parameters. A data ingestion engine (104) is provided to collect, process and import the data of security threat parameters from a plurality of sources into a database (110). The system further includes a real-time monitoring unit (106) to continuously collect, analyze, display security threat parameters data in real-time and alert to a security user. Further the present invention relates to a method for detecting security threats using an artificial intelligence based security analytics system. The present invention is used in various industries, such as finance, healthcare, government and the like, and is tailored to meet the specific security needs of each organization.

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