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Patent Search

Invention Title	DEEP LEARNING APPROACH TO PROVIDE A VULNERABLE FRAMEWORK FOR SAFEGUARDING THE DATA'S THAT ARE TRANSFERRED OVER ALONG WITH CYBER SECURITY
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Abstract:

Deep learning approach to provide a vulnerable framework for safeguarding the data's that are transferred over cloud along with cyber security is the proposed invention aims at safeguarding the data that are transferred over the cloud. The invention designs a vulnerable framework that will protect the important data that will be transferred over the cloud. The invention strives for aspects of cyber security.

Complete Specification

Description:[0001] Background description includes information that may be useful in understanding the present invention. It is not an admission that any of the information provided herein is prior art or relevant to the presently claimed invention, or that any publication specifically or implicitly referenced is prior art.

[0002] Cyber security frameworks are sets of documents describing guidelines, standards and best practices designed for cyber security risk management. The framework exists to reduce an organizations exposure to weaknesses and vulnerabilities that hackers and other cyber criminals may exploit. There are four main types of vulnerabilities such as network vulnerabilities, operating system vulnerabilities, human vulnerabilities and process vulnerabilities.

[0003] A number of different types of cybersecurity systems that are known in the prior art. For example, the following patents are provided for their supportive teachings and are all incorporated by reference.

[0004] A Review of Deep Learning Security and Privacy Defensive Techniques In recent past years, Deep Learning presented an excellent performance in different like image recognition, pattern matching, and even in cybersecurity. The Deep Learning has numerous advantages including fast solving complex problems, huge automation, maximum application of unstructured data, ability to give high quality of results, reduction of high costs, no need for data labeling, and identification of complex interactions, but it also has limitations like opaqueness, computationally intensive, need for abundant data, and more complex algorithms. In our daily life, used many applications that use Deep Learning models to make decisions based on predictions, and if Deep Learning models became the cause of misprediction and internal/external malicious effects, it may create difficulties in our real life. Furthermore, the Deep Learning training models often have sensitive information of the and those models should not be vulnerable and expose security and privacy. The algorithms of Deep Learning and machine learning are still vulnerable to different security threats and risks. Therefore, it is necessary to call the attention of the industry in respect of security threats and related countermeasures techniques for D

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