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## **Network Intrusion Detection System**

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Abstract: The increasing in the using of technology was head to the raise in the usage of count of data that is being worked over the Internet gradually when time changes. With the huge amount of usage of data that is going through the Internet, will come with the situation of giving security to the particular amount of data, and here the Intrusion Detection System (IDS) comes into the scenario and helps in detecting any virtual security threats. Intrusion Detection System (IDS) is a process that monitors and analyses data to detect any intrusion in the system or network. Intruders find different ways to penetrate into a network. The particular process (IDS) which we are using is came into picture using trending technologies like Machine Learning Algorithms to classify them and to know about attacks which was happend and to detect them where and how an attack occurs and also used to find which type of machine learning algorithm is best working for identify the type of attack occurred.

Keywords: Intrusion Detection System.

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