

## **Abstract:**

Today day to day activities usage of technology for human computational tasks has been involved more and more as part of it along with its usage of technology the organizing data of many forms structural, un-structural has become very crucial. As extending the discussion with highlighting data integrity along the networks has become a big challenge to end user. A sample example details the above scenario be like, a user who is accessing an application provides his information, digital formats. Now here comes the scenario where the data has been distributed arounds the different servers and at any corner of the world the data can be easily accessed violating the security integrity constraints. Further extending the integrity bringing AI, ML techniques where there are many intermediary devices like switches, hubs, routers, servers etc which can be automated with the help of AI, ML.

**Key Words:** Data Integrity, AI, ML, Security.

## **Problem Statement:**

Data security, storage are one of the major Technical Terms as they play key role. Users never know where the data is stored? Is the data is secured. The above two terms makes major difference in Technology Era. Many organisations ,online social networks like face book ,google,yahoo etc have been addressing the data security issues which is linked to network.

### **Major points:**

- 1) Security
- 2) Automating servers for handling security using AI,ML
- 3) Handling data on Distributed network using AI,ML

## **Purpose of Study:**

As we know that “Information is wealth” now how the data can make a big difference. How a machine can handle large volumes of data? Is there any possibility that machines be automated in network.

## **Significance of Research:**

Considering the major takeaways like storage, security, for storage we have a cloud, there have been several network security algorithms that have been successfully implemented. Here the major study focuses on can networks can be automated with AI tools, ML Algorithms. How much significant role do AI play in Networking?

## **Methodology:**

- 1) Implementing ML algorithms on networking devices
- 2) Merging of ML and Security