INTRUSION DETECTION USING DCNN

Benitha Christinal.J[1], Krishnapriya.M[2], Devishree J[3], Lekasre.S[4]
[1,2,3,4] Department of Information Technology
Panimalar Engineering College, Chennai

Information is the most important asset in the realm of technology. When the network becomes compromised and the information is taken. A key component of protecting or securing computer networks from harmful or unauthorized activity is an intrusion detection system (IDS). An intrusion detection system locates threats on the network, both known and unknown. In our paper, we simulate an intrusion detection system that has been taught to recognize these kinds of attacks. By using the suggested DCNN to derive significant information from the network traffic data, the detection of attacks can be made more precise and reliable. With the use of IDS datasets, specifically CICIDS, the proposed structure is assessed. A convolutional neural network (CNN) is a well-known structure for processing complicated data in deep-learning neural networks. The DCNN gets around the restrictions.

 ISBN 978-81-965908-5-7