

Detection of DDoS Attack using Machine Learning: A Review

Chiti Gupta¹, Dr. Aditya Vidyarthi², Dr. Jitendra Singh Kushwah³, Dr. Ashish Gupta⁴

Department of Information Technology^{1,2,3,4}

Institute of Technology & Management, Gwalior, India

Abstract: *Distributed Denial of Service, or DDOS attacks. A DDoS attack is a very disruptive form of attack, enabling the service to be rendered unsafe in some organizations that provide them with a connection to the internet community. This kind of threat keeps getting complicated and will most likely increase in number from one moment to the next. Thus, it becomes quite difficult to detect or devise a larger defense against this kind of threat. Hence, sophisticated intrusion detection systems (IDS) need to be developed, which will classify and identify abnormal internet traffic behavior.*

More complicated and personal, however, they are advancing their number from one day to another, and detecting and defending against such threats is difficult. Thus, it demands decent intrusion detection system programming to classify and identify abnormal internet traffic behaviors.

Keywords: Cyber Attack Detection, DDoS Attack Prevention, Intrusion Detection Systems, Machine Learning, Network Security,

