DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2023 – 2024 EVEN SEMESTER

INTERNAL STAFF SEMINAR REPORT

Department of Computer Science & Engineering organized an internal staff seminar on 14.03.24 at smart classroom.

OBJECTIVE

The objective of this seminar is to gain insight knowledge about detection of anomalies and threats, improvement in threat intelligence in cloud environment.

SESSION DETAILS

Internal seminar for faculty of Computer Science Engineering department was conducted on 14.03.24 from 01.15 P.M to 01.45 P.M in Smart Class room. Ms.M.Vidhya explained about various deep learning architecture such that Convolutional Neural Network (CNN), Artificial Neural Network (ANN). Deep learning models can identify unusual patterns and behaviors in network traffic and user activities that may indicate potential security threats. Deep learning models can be integrated into security orchestration, automation, and response (SOAR) platforms to automate the response to detected threats. This can include isolating affected systems, blocking malicious IP addresses, and initiating forensic investigations. By understanding user behavior, deep learning models can enhance access control mechanisms, ensuring that only legitimate users gain access to sensitive resources. Deep learning models can be used to create intuitive visualization tools that help security analysts understand complex threat landscapes and make informed decisions.

OUTCOME OF THE EVENT

- Got an idea about deep learning in cloud security
- Motivate the students to do project in this domain
- Faculty members may have a research idea in this domain

Journal Details:

Lumbardha Hasimi, et.al, "Cloud Computing Security and Deep Learning: An ANN approach", *The 14th International Conference on Emerging Ubiquitous Systems and Pervasive Networks (EUSPN 2023) November 7-9, 2023, Almaty, Kazakhstan*

Ms.M.Vidhya discussed about various architecture of deep learning models.