



CSE 543: Information Assurance and Security

## **Using Blockchain and Machine Learning to significantly improve the security of Cloud-based Systems**

### **Group 14 Weekly Report - 8**

**Person prepared this report:** Akhil Kumar Gudipoodi and Greeshma Gandham

**Person approved this report:** Dheeraj Neela

**Person submitted this report:** Dheeraj Neela

#### **List of members**

1. Dheeraj Neela (Group Leader)
2. Sai Greeshma Gandham (Deputy Leader)
3. Disha Prakash Bhukte
4. Meghana Amirineni
5. Aditi Shashank Joshi
6. Sujana Duvvuri Venkateswarlu
7. Akhil Kumar Gudipoodi

#### **Meeting Notes**

1) 03/09/2022 - 5:00 PM

Exploration and discussion on Backdoor Attacks.

2) 03/12/2022 - 11:00 AM

Brainstorming on Backdoor Threats in Cloud and the related use-cases.

3) 03/14/2022 - 5:00 PM

Discussion on different types of Backdoor Attacks.

## Tasks Summary

Task Number	Task Name	Details of Task	Member	Status
1	Backdoor Attacks	Review of type of attacks and deep dive into Backdoor Attacks.	Akhil Kumar Gudipoodi and Sai Greeshma	Completed
2	Backdoor Threats in Cloud	Exploration of different backdoor threats in Clouds and a deep dive in terms of use-cases.	Disha Prakash Bhutke and Sujana	In Progress
3	Types of Backdoor Attacks	Brainstorming on types of Backdoor attacks such as Trigger Backdoor attacks etc.	Meghana Amirineni, Aditi, and Dheeraj	In Progress

## Task Progress

Task Name	Member	Date of Review	Reviewer(s)	Review Conclusion	Recommended Action
Review of ML Techniques for prevention of DDoS attacks	Disha Prakash Bhukte and Akhil Kumar Gudipoodi	03/10/2022	Meghana Amirinani, Sujana, Aditi Shashank Joshi	Satisfactory	No Action Required
Review of use of Blockchain for preventing DDos Attacks	Dheeraj, Sujana	03/10/2022	Disha Prakash Bhukte, Akhil Kumar Gudipoodi and Sai Greeshma Gandham	Satisfactory	No Action Required
Understanding Backdoor Attacks	Akhil Kumar Gudipoodi and Sai Greeshma	03/14/2022	Meghana Amirinani, Sujana and Disha Prakash Bhutke	Satisfactory	No Action Required
Exploration of Backdoor Threats in Cloud	Disha Prakash Bhutke and Sujana.	03/14/2022	Aditi Shashank Joshi and Dheeraj	Needs Work	Needs more research
Reviewing Types of Backdoor Attacks	Meghana Amirinani, Aditi and Dheeraj	03/14/2022	Akhil Kumar Gudipoodi and Sai Greeshma	Needs Work	Needs more research

## Issues

1. No Issues

Gantt chart for showing the major tasks

