Research Papers studied

1. Vinayakumar R, Barathi Ganesh HB1, Prabaharan Poornachandran, Anand Kumar
2. M and Soman KP. Deep-Net: Deep Neural Network for Cyber Security Use Cases,2018
3. Gowtham Sethupathi, Swapnil Siddharth, Vikash Kumar, Pratyush Kumar, Ashwani Yadav. Maldroid: Dynamic Malware Detection using Random Forest Algorithm,2019
4. Hyo-Sik Ham, Hwan-Hee Kim, Myung-Sup Kim and Mi-Jung Choi. Linear SVM-Based Android Malware Detection for Reliable IoT Services 2014
5. Thanh Thi Nguyen and Vijay Janapa Reddi. Deep Reinforcement Learning for Cyber Security, 2019
6. A. Gosavi Reinforcement Learning: A Tutorial Survey and Recent Advances, 2009
7. Kai Arulkumaran, Marc Peter Deisenroth, Miles Brundage, and Anil Anthony Bharath. Deep Reinforcement Learning : A brief survey, 2017
8. Reinforcement Learning Algorithms for solving Classification Problems

Studied Markov Decision Process and different Reinforcement learning algorithms-

- Q learning
- SARSA

Dataset -

1. Drebin dataset downloaded
2. Dataset cleaned
    a. Removed Null values
    b. Replaced Class Label with numeric values
    c. Shuffled the dataset for better results

Currently working on parameter selection and Q-learning code.