

## **Status Report**

**3/2/2023**

**TEAM RAD**

### **Real-time Anomaly Detection**

#### **Notes:**

NO MEETING NEXT WEEK 3/9/2023

Put debugging date and time stamps in jupyter notebook sagemaker instances

Incorporate logs for jupyter notebooks -> research (sns, cloudwatch)

#### **This Week's Achievements**

- Uploaded and tested SageMaker inference file
- Continued generating friendly network traffic

#### **This Week's Goals**

- Fix model logic errors in SageMaker
- Fix input for SageMaker model
- Finish code for VM server and VM "Evil" simulation machines
- Researched and tested new ways of generating friendly network traffic

#### **Post Spring Break Goals**

- Test SageMaker model with testing and validation data.
- Implement packet capture with python Scapy and output data as CSV string buffer
- Make code for normal server traffic
- Finish code for VM server and VM "Evil" simulation machines
- Finish and have enough friendly traffic to be suitable