LIST OF TERMS

Terms	Definition
Anomaly	data point or group of data points that exhibit substantial deviation from the anticipated pattern in a dataset. Potential security concerns, fraud, or errors in fields such as cybersecurity, banking, and healthcare may be represented by anomalies.
Anomaly Detection	Data point identification refers to the procedure of identifying data points that exhibit substantial deviation from the rest of the dataset. Abnormality detection is of utmost importance in the field of cybersecurity as it enables the identification of possible risks, such as network intrusions or atypical behavior.
Pruning Process	To decrease the number of anomaly candidates, a technique is employed to exclude normal data points that do not contribute to the detection of abnormalities.
DBSCAN	DBSCAN (Density-Based Spatial Clustering of Applications with Noise) clustering technique that categorizes closely associated data points as clusters, while identifying points that are isolated in low-density areas as anomalies.
Isolation Forest (iForest)	An algorithm that isolates data by randomly selecting a feature and then randomly determining a split value between the maximum and minimum values of that feature.
Local Outlier Factor (LOF)	Algorithm for calculating the density of a point in relation to its neighbouring points, employed to detect data points with a significantly lower density than their neighbouring points.
Recall Metric	An evaluative performance measure used to assess the accuracy of the model in correctly identifying specific anomalies.