Efficient Data Stream Anomaly Detection

Chosen Algorithm	Statistical Anomaly Detection using Mean and Standard Deviation Thresholding.
Description	This algorithm detects anomalies by comparing each incoming data point to a threshold range (mean ± (std * threshold)). Points falling outside this range are flagged as anomalies. This approach, based on statistical thresholds, identifies points that fall significantly outside the range of normal data as anomalies.
Effectiveness	It is efficient, adaptable to moderate changes, and requires minimal computational resources, making it suitable for real-time processing.

Screenshot of the Project: