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Privacy-Preserving Anomaly Detection in Cloud with a lightweight Homomorphic Approach

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Highlights

- Cloud based models for anomaly detection poses critical challenges to data privacy.
- A cloud based privacy preserving anomaly detection model is proposed.
- The framework relies on lightweight homomorphic encryption to preserve data privacy.
- Data clustering based anomaly detection performed in a scalable manner on ciphertext.
- High detection accuracy is achieved with less complexity compared to other methods.

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