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Flow-based anomaly intrusion detection using machine learning model with software defined networking for OpenFlow network

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Highlights

- Priority-based model using SDN to control the flow of data packets over the network.
- Detection of normal and abnormal traffic data transmission to identify the anomaly intruder.
- The utilization of bandwidth for priority-based applications with minimal cost.
- ML-based RF model was considered to detect network interference within SDN.
- QoS forward approach is to employ global for end-to-end overlay link among hosts.