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(57) Abstract :

A system (100) and a method (200) for preventing malicious activities in autonomous vehicles. The system (100) utilizes various data sources, including sensor data, vehicle telemetry, network logs, and historical incident data, to train a predictive model capable of identifying potential threats and taking proactive measures to prevent malicious actions. The system (100) utilizes machine learning algorithms to analyze and detect patterns associated with malicious activities. The system (100) to predict the likelihood of potential threats or malicious actions in real-time. The system (100) allows for immediate response and mitigation, minimizing the risk of harm to passengers, pedestrians, and property. The system (100) minimizes the impact of malicious activities and ensures the safety of the vehicle and its occupants. The system (100) can be integrated with existing communication components, allowing for the transmission of alert notifications and relevant data to a remote monitoring centre or authorized personnel.

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