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(57) Abstract :

The present invention discloses a system (100) designed for threat detection within an IoT-based cloud platform. The system (100) includes a server (106) that establishes secure communication with a plurality of depth flow sensing devices (110) via a cloud network (108). It comprises a processor (102) and a memory (104) containing instructions for receiving a set of real-time data on movement patterns and interactions from the depth flow sensing devices (110). The received data is then compared to a predefined set of data associated with potential security threats stored in a cloud database (112). The system (100) can identify potential security threats based on this comparison and take measures to mitigate them, including blocking or isolating the threats. Furthermore, the system (100) is capable of generating and transmitting alert signals upon the detection of security threats, enhancing the security of IoT-based cloud platforms.

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