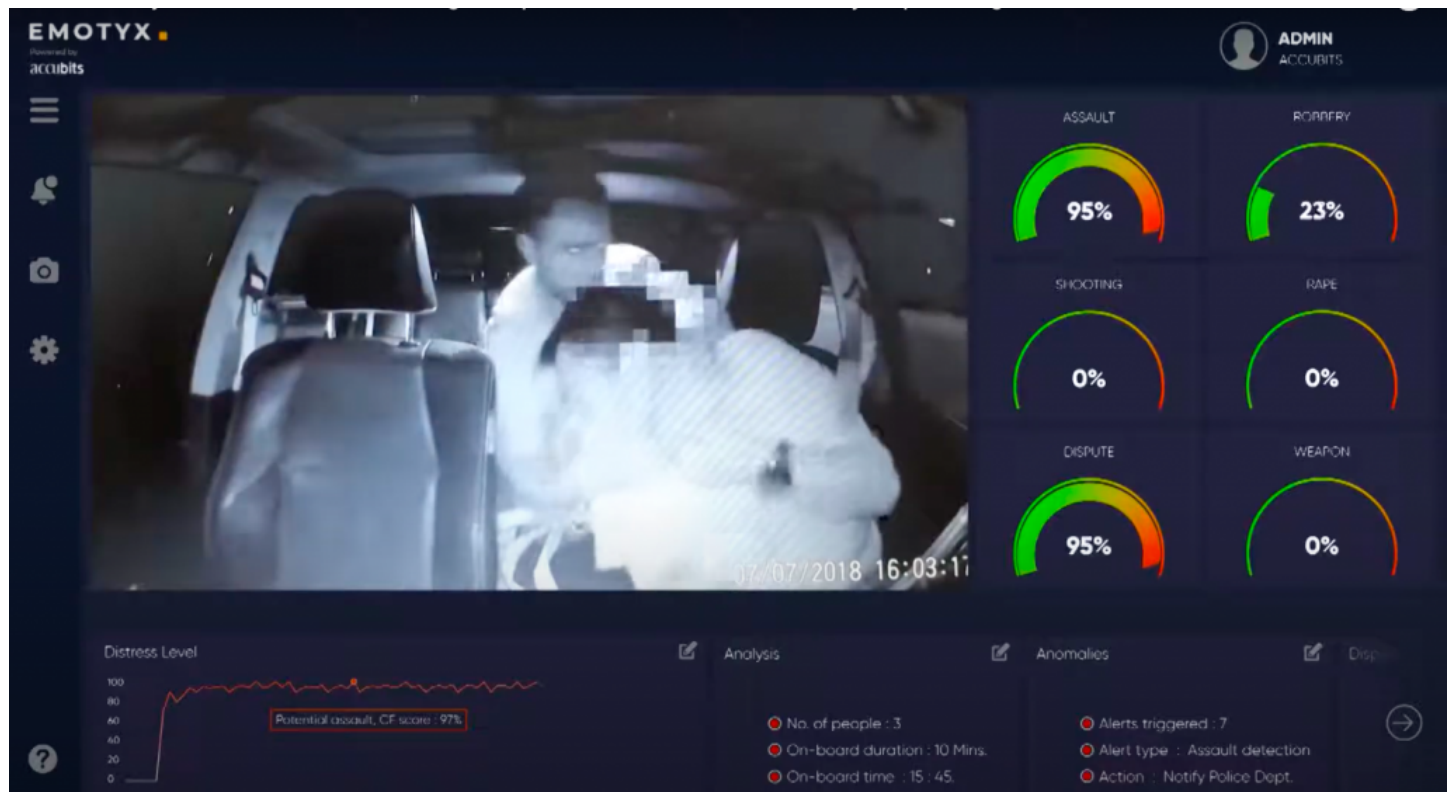


AI-powered anomaly detection for ride-hailing companies to ensure the security of passengers and drivers

Accubits Technologies, Virginia based AI development company developed an AI-powered anomaly detection system that can detect anomalous activities in ride-hailing services and taxicabs.



Vienna, Aug 17, 2020 ([Issuewire.com](https://www.issuewire.com)) - Accubits Technologies, Virginia based [AI development company](#) developed an [AI-powered anomaly detection system](#) that can detect anomalous activities in ride-hailing services and taxicabs. The system can identify the occurrence of anomalous activities such as assault, theft, rape, presence of harmful objects or weapons, disputes, etc. and alert the nearby law enforcement authority to take timely actions.

Reports indicate that the number of crimes being committed in taxicabs is on a steady rise. Recently, a drunken man attacked a Lyft driver in Florida, putting the cab driver in a chokehold from the backseat. In Delhi, six men broke a window of an Ola cab and assaulted the driver and passenger. They escaped with 4,500 INR in cash and an iPhone. According to the Bureau of Labour statistics, workplace violence remains a leading source of occupational fatalities and injuries with taxicab drivers. Historically, they have experienced one of the highest homicide rates of any occupation. According to a study published by the American Journal of Preventive Medicine, the taxicab driver homicide rate was 7.4 per 100,000 drivers in 2010.

The increasing number of fatalities is turning into a serious predicament for companies like Uber, Lyft, Ola, and other ride-hailing companies. This creates the need to enhance the security measures for better protection of cab drivers as well as passengers.

The most preferred safety precaution that organizations use is the installation of an in-cab surveillance camera. Unfortunately, surveillance cameras are only used for investigative purposes. That is after the crime has been committed, law enforcement officials can playback the footage and analyze it to collect evidence. The anomaly detection system built by Accubits enables these cameras to recognize mishaps and alerts officials to take appropriate actions.

Accubits developed the system as an additional feature of its ai powered [real time video analytics software](#) product named Emotyx. The system uses a proprietary hybrid neural network for anomaly detection and it is also capable of automatically identifying the faces of passengers. It can use information from the company's database of blacklisted passengers or public police databases of wanted criminals to identify any potential threats. If the system matches the face of a passenger to any of these databases, a notification will be sent to the concerned authority as well as notify the cab driver to stay safe. The company published a demo video of the [anomaly detection system](#).

Media Contact

Accubits Technologies

aharsh@accubits.com

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