FACE RECOGNITION FOR INTELLIGENT

SURVEILLANCE SYSTEM USING IOT

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Surveillance plays a vital role in the modern world. Almost all the day-to-day situations require complete security and a proper safety plan. Video Surveillance systems provide households and commercial areas with an effective way to deter and combat crimes whilst also securing the premises. They help track people’s presence and activity and safeguard clients by authenticating them while also limiting liability. Smart Surveillance gives us an upper hand on few cases such as increased sense of security, improved productivity, reduced costs and real-time monitoring of the surroundings.

The authentication process is done with the help of Machine Learning algorithms by using it for Facial recognition. These algorithms can extract specific features from images to classify different categories. The aim would be to implement a surveillance system which uses Machine Learning and Edge Computing to bring the computation near to the user whilst also improving the latency. The solution will also be scalable and can be monitored through a Mobile application.

References:

1. Base Paper:

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