

Face Recognition using Machine Learning and Deep Learning

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Abstract: Facial Recognition is the biometric method used in face detection. Confirming or identifying a face from multi-media pictures is done using the facial recognition technique. With the development of a forward-thinking society, the requirement for face identification has been really important. Detection and identification of faces have grown globally. It owes to the request for security such as permission, national safety, and other dynamic situations. Face can be detected using various algorithms. This paper aims to present the assessment of two face recognition techniques Haar Cascade and Local Binary Pattern. As an outcome, the accuracy of Haar Cascade is better than the Local Binary Pattern but the execution time in Haar Cascade is better than Local Binary Pattern.

Keywords: Haar cascade, Local binary pattern (LBP), OpenCV Radio-frequency identification(RFID), Support-vector machine (SVM).

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