

To Study the Different Types of Face Recognition Algorithm

Dhanshree Adsul¹, Radhika Khadse², Harshada Khandre³, Neha Khomane⁴, Dr. Neelam Kumar⁵

Students, Department of Computer Engineering^{1,2,3,4}

Professor⁵, Department of Computer Engineering⁵

Shree Ramchandra College of Engineering, Pune, Maharashtra, India

Abstract: *The objective of this review paper is to examine various algorithms employed in face recognition. A face analyzer refers to software designed to authenticate or verify an individual's identity based on their facial features. It operates by identifying and measuring distinct characteristics of a face within an image. Facial recognition technology can detect human faces in images or videos, determine if two face images belong to the same person, or search for a specific face within a vast collection of images. Facial recognition is extensively used in biometric security systems to establish unique identification for user onboarding, and logins, and to enhance user authentication measures. Additionally, face analyzer technology is commonly integrated into mobile and personal devices for device security purposes.*

Keywords: Local Binary Patterns (LBP), Scale-Invariant Feature Transform (SIFT), Histogram of Oriented Gradients (HOG), Convolutional Neural Networks (CNN)

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