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Deep Facial Diagnosis

Puneeth G J, Nikhil Kumar K, Somla Naik S, Pavan S, K S Preethi
Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari

Abstract: Deep Facial Diagnosis refers to the application of deep learning techniques for analysing facial features and patterns to provide accurate and automated diagnostic information. The human face carries a wealth of information related to health, emotions, and overall well-being. Traditional diagnostic methods rely heavily on manual examination and subjective interpretation, often leading to inconsistencies and human errors. In recent years, deep learning algorithms have demonstrated remarkable capabilities in computer vision tasks, including facial recognition, expression analysis, and disease diagnosis.This abstract presents an overview of the emerging field of Deep Facial Diagnosis, highlighting its potential applications, challenges, and future prospects. By utilizing convolutional neural networks (CNNs) and other deep learning architectures, researchers have made significant advancements in extracting meaningful information from facial images. Deep Facial Diagnosis systems employ large-scale annotated datasets to train models to detect and analyse facial attributes such as wrinkles, skin texture, discoloration, facial symmetry, and other anatomical features. Mobile net is also used in proposed methodology. In mental health, deep facial analysis can aid in diagnosing and monitoring conditions like depression or anxiety by detecting facial expressions and micro-expressions associated with emotional states. Additionally, Deep Facial Diagnosis holds potential in fields such as ophthalmology, neurology, and cardiology, where specific facial features may indicate underlying health conditions.

Keywords: CNN, Mobile Net, deep facial

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