

BASED AUTOMATIC PERSONALITY RECOGNITION USED IN ASYNCHRONOUS VIDEO INTERVIEWS OF STRESS DETECTION USING FACE IMAGES AND FACIAL LANDMARK BY USING THE CONVOLUTION NEURAL NETWORK (CNN) ALGORITHM

Priyanka H¹ & B L Jayakumar²

*¹Research Scholar, Department of Computer Science & Engineering, S.E.A College of Engineering & Technology,
K.R. Puram, Bengaluru, India*

*²Assistant Professor, Department of Computer Science & Engineering, S.E.A College of Engineering & Technology,
K.R Puram, Bengaluru, India*

ABSTRACT

With the help of face photos and facial landmarks, we suggest a stress recognition algorithm in this work. A device for gathering the necessary data is needed along the event of stress detection utilising a natural or biological signal or thermal picture, thus being important area for research. To address this flaw, we put forth an algorithm that can identify a person's behaviour from still videos or photos taken using a normal camera, including creating in-depth neural network, uses facial identifications infused along benefiting that when someone is being stressed, their eye, mouth, and head movements differ along how they normally behave. Likewise, by identifying a candidate's behaviour during an online interview, we can determine whether or not they are qualified. The suggested algorithm recognises behaviour more accurately, according to experimental data.

KEYWORDS: *C++, Python, Java, Convolutional Neural Network (CNN), Personality Recognition, Open CV, HAAR Cascade and Mat Lab, Open CV, Espeak, Xming & Putty*

Article History

Received: 06 Jul 2022 | Revised: 07 Jul 2022 | Accepted: 07 Jul 2022
