

Yoga Pose Corrector using Deep Learning

Birendra K Saraswat¹, Prajjwal Chandra², Rahul Gupta³

Assistant Professor, Department of Computer Science and Engineering¹

Students, Department of Computer Science and Engineering^{2,3}

Raj Kumar Goel Institute of Technology, Ghaziabad, India

Abstract: Continuously tracking a person's movement and activity is known as activity recognition. A self-guidance practise framework that enables people to learn and practise yoga postures accurately without assistance from others can be built using human posture recognition. A method has been developed to accurately detect and recognise different yoga positions using deep learning algorithms. The 85 videos that make up the selected dataset each have 15 persons performing six different yoga poses. The Mediapipe library is initially used to extract the user's keypoints. As a deep learning model, a convolutional neural network (CNN) and long short-term memory (LSTM) combination have been utilised to recognise yoga poses in real-time monitored videos. For feature extraction, CNN layer is employed.

Keywords: Yoga

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