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Biometrics, Gait Recognition using Deep Learning

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Gait recognition is an essential biometric technique that recognizes humans at a distance through their unique walking style. In the present era of deep learning, automated gait analysis has become easier with an increase in processing power. However, the recognition accuracy is affected by many covariates such as clothing conditions, carrying objects, varying viewing angles, occlusion, walking speed variations, and thus, it remains a challenging problem. For this complex problem, huge datasets are required to train for given conditions and predict new situations; thus, deep learning is preferred. Further, going to highlight open problem areas handling these covariates and offer some suggestions about their better handling.

Biography

Anubha Parashar received the Ph.D. degree in Computer Science andEngineering (Artificial Intelligence), Jaipur, India, in 2022. She is currently an assistant professor with the School of Computer Science and ngineering at Manipal University,Jaipur, India. Her research interests include Biometrics, Computer Vision, Deep Learning,Machine Learning, IoT and Artificial Intelligence. She has published more than 30 papers of good repute and he has held 5 approved invention patents.

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