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- [13] Soydaner, D. (2020): A comparison of optimization algorithms for deep learning. International Journal of Pattern Recognition and Artificial Intelligence, 34(13), pp. 2052013.
- [14] Tasnim, N.; Islam, M. K.; Baek, J. H. (2021): Deep learning based human activity recognition using spatio-temporal image formation of skeleton joints. Applied Sciences, 11(6), 2675.
- [15] Vaghela, R.; Labana, D.; Modi, K. (2023): Efficient I3D-VGG19-based architecture for human activity recognition”, The Scientific Temper, 14(4), pp.1185-1191.
- [16] Yan, S.; Xiong, Y.; Lin, D. (2018): Spatial temporal graph convolutional networks for skeleton-based action recognition. In: Proc. of the Association for the Advancement of Artificial Intelligence, 32(1), pp. 7444-7452.
- [17] Yu, B. X.; Liu, Y.; Chan, K. C. (2020): Skeleton focused human activity recognition in rgb video. arXiv preprint arXiv:2004.13979.

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