

Bibliography: Yoga Pose Detection and AI Applications (APA Style)

- Bansal, R., Sharma, R., Jain, P., Arora, R., Pal, S., & Vishal. (2024). DeepYoga: Enhancing practice with a real-time yoga pose recognition system. *Engineering, Technology & Applied Science Research*, 14(6), 17704–17710. <https://etasr.com/index.php/ETASR/article/view/8643>
- Bazarevsky, V., Grishchenko, I., Raveendran, K., Zhu, T., Zhang, F., & Grundmann, M. (2020). BlazePose: On-device real-time body pose tracking. In *CVPR Workshop on Computer Vision for Augmented and Virtual Reality*. Seattle, WA, USA. <https://doi.org/10.48550/arXiv.2006.10204>
- Cao, Z., Hidalgo, G., Simon, T., Wei, S.-E., & Sheikh, Y. (2021). OpenPose: Realtime multi-person 2D pose estimation using part affinity fields. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 43(1), 172–186. <https://doi.org/10.1109/TPAMI.2019.2929257> (Originally published as arXiv:1812.08008, 2019)
- Chaudhary, I., Singh, N. T., Chaudhary, M., & Yadav, K. (2023). Real-time yoga pose detection using OpenCV and MediaPipe. In *2023 4th International Conference for Emerging Technology (INCET)* (pp. 1–5). IEEE. <https://doi.org/10.1109/INCET57972.2023.10170485>
- Ghadge, J. S., Kothale, J. S., Chavan, P. S., & Christa, S. (2024). Real time yoga pose detection using AI. *International Journal of Latest Technology in Engineering*. <https://www.researchgate.net/publication/397123389>
- Kim, H., Sohn, J., Gilson, A., Cochran-Caggiano, N., Applebaum, S., Jin, H., Park, S., Park, Y., Park, J., Choi, S., Herrera Contreras, B. A., Huang, T., Yun, J., Wei, E. F., Jiang, R., Colucci, L., Lai, E., Dave, A., Guo, T., Singer, M. B., Koo, Y., Adelman, R. A., Zou, J., Taylor, A., Cohan, A., Xu, H., & Chen, Q. (2024). Rethinking retrieval-augmented generation for medicine: A large-scale, systematic expert evaluation and practical insights. *arXiv preprint arXiv:2511.06738*. <https://arxiv.org/abs/2511.06738>
- Kishore, D. M., Bindu, S., & Manjunath, N. K. (2022). Smart yoga instructor for guiding and correcting yoga postures in real time. *International Journal of Yoga*, 15(3), 254–261. https://doi.org/10.4103/ijoy.ijoy_137_22
- Ranftl, R., Lasinger, K., Hafner, D., Schindler, K., & Koltun, V. (2022). Towards robust monocular depth estimation: Mixing datasets for zero-shot cross-dataset transfer. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 44(3), 1623–1637. <https://doi.org/10.1109/TPAMI.2020.3019967> (Originally published as arXiv:1907.01341, 2019)
- Roggio, F., Trovato, B., Sortino, M., & Musumeci, G. (2024). A comprehensive analysis of the machine learning pose estimation models used in human movement and posture analyses: A narrative review. *Heliyon*, 10(21), e39977. <https://doi.org/10.1016/j.heliyon.2024.e39977>
- Schreiber, L., & Potthast, W. (2024). Accuracy evaluation of 3D pose reconstruction algorithms through stereo camera information fusion for physical exercises with MediaPipe Pose. *Sensors*, 24(23), 7772. <https://doi.org/10.3390/s24237772>

Shrestha, D., Nepal, P., Gautam, P., & Oli, P. (2024). Human pose estimation for yoga using VGG-19 and COCO dataset: Development and implementation of a mobile application. *International Research Journal of Engineering and Technology (IRJET)*, 11(8), 355–362. <https://www.irjet.net/archives/V11/i8/IRJET-V11I853.pdf>

Upadhyay, A., Basha, N. K., & Ananthakrishnan, B. (2023). Deep learning-based yoga posture recognition using the Y_PN-MSSD model for yoga practitioners. *Healthcare*, 11(4), 609. <https://doi.org/10.3390/healthcare11040609>

Verma, P., Kumar, S., & Sharma, A. (2023). Enhancing yoga practice through real-time posture detection and correction using artificial intelligence: A comprehensive review. *NeuroQuantology*, 21(6), 1053–1059. <https://doi.org/10.48047/nq.2023.21.6.NQ23111>

Yang, L., Kang, B., Huang, Z., Xu, X., Feng, J., & Zhao, H. (2024). Depth anything: Unleashing the power of large-scale unlabeled data. *arXiv preprint arXiv:2401.10891*. <https://doi.org/10.48550/arXiv.2401.10891>