

BIBLIOGRAPHY

- Aditi*, Nagda, M. K., & Poovammal*, E. (2019). Image classification using a hybrid LSTM-CNN Deep Neural Network. *International Journal of Engineering and Advanced Technology*, 8(6), 1342–1348. <https://doi.org/10.35940/ijeat.f8602.088619>
- Alom, Md. S., Hasan, Md. J., & Wahid, Md. F. (2019). Digit recognition in sign language based on convolutional neural network and support vector machine. *2019 International Conference on Sustainable Technologies for Industry 4.0 (STI)*, 1–5. <https://doi.org/10.1109/sti47673.2019.9067999>
- Alzubaidi, L., Zhang, J., Humaidi, A. J., Al-Dujaili, A., Duan, Y., Al-Shamma, O., Santamaría, J., Fadhel, M. A., Al-Amidie, M., & Farhan, L. (2021). Review of Deep Learning: Concepts, CNN Architectures, challenges, applications, Future Directions. *Journal of Big Data*, 8(1). <https://doi.org/10.1186/s40537-021-00444-8>
- Chaudhury, S., & Sau, K. (2023). A Bert Encoding with recurrent neural network and long-short term memory for breast cancer image classification. *Decision Analytics Journal*, 6, 100177. <https://doi.org/10.1016/j.dajour.2023.100177>
- Dai, D. (2021). An introduction of CNN: Models and training on neural network models. *2021 International Conference on Big Data, Artificial Intelligence and Risk Management (ICBAR)*, 135–138. <https://doi.org/10.1109/icbar55169.2021.00037>
- Hameed, H., Usman, M., Khan, M. Z., Hussain, A., Abbas, H. T., Imran, M. A., & Abbasi, Q. H. (2022). Privacy-Preserving British Sign Language Recognition Using Deep Learning. <https://doi.org/10.36227/techrxiv.19170257>
- Hochreiter, S., & Schmidhuber, J. (1997). Long short-term memory. *Neural Computation*, 9(8), 1735–1780. <https://doi.org/10.1162/neco.1997.9.8.1735>
- Iyer, V. H., Prakash, U. M., Vijay, A., & Sathishkumar, P. (2022). Sign language detection using action recognition. *2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE)*, 1682–1685. <https://doi.org/10.1109/icacite53722.2022.9823484>
- Joshi, J., Gandhi, P., & Sawant, R. (2022). Sign language certification platform with action recognition using LSTM neural networks. *2022 International Conference on Computing, Communication, Security and Intelligent Systems (IC3SIS)*. <https://doi.org/10.1109/ic3sis54991.2022.9885321>
- Kembuan, O., Caren Rorimpandey, G., & Milian Tompunu Tengker, S. (2020). Convolutional Neural Network (CNN) for Image Classification of Indonesia Sign Language using tensorflow. *2020 2nd International Conference on Cybernetics and Intelligent System (ICORIS)*, 1–5. <https://doi.org/10.1109/icoris50180.2020.9320810>



- Khosla, C., & Saini, B. S. (2020). Enhancing performance of deep learning models with different data augmentation techniques: A survey. 2020 International Conference on Intelligent Engineering and Management (ICIEM), 79–85. <https://doi.org/10.1109/iciem48762.2020.9160048>
- Kulshreshth, A., Pfeil, K., & LaViola, J. J. (2017). Enhancing the gaming experience using 3D spatial user interface technologies. IEEE Computer Graphics and Applications, 37(3), 16–23. <https://doi.org/10.1109/mcg.2017.42>
- Kumar, P., Rautaray, S. S., & Agrawal, A. (2012). Hand data glove: A new generation real-time mouse for human-computer interaction. 2012 1st International Conference on Recent Advances in Information Technology (RAIT), 750–755. <https://doi.org/10.1109/rait.2012.6194548>
- Li, W., Pu, H., & Wang, R. (2021). Sign language recognition based on Computer Vision. 2021 IEEE International Conference on Artificial Intelligence and Computer Applications (ICAICA), 919–922. <https://doi.org/10.1109/icaica52286.2021.9498024>
- M, H., & M.N, S. (2015). A review on evaluation metrics for Data Classification Evaluations. International Journal of Data Mining & Knowledge Management Process, 5(2), 01–11. <https://doi.org/10.5121/ijdkp.2015.5201>
- Maharana, K., Mondal, S., & Nemade, B. (2022). A review: Data pre-processing and data augmentation techniques. Global Transitions Proceedings, 3(1), 91–99. <https://doi.org/10.1016/j.gltp.2022.04.020>
- Moeslund, T. B., Hilton, A., & Krüger, V. (2006). A survey of advances in vision-based human motion capture and analysis. Computer Vision and Image Understanding, 104(2–3), 90–126. <https://doi.org/10.1016/j.cviu.2006.08.002>
- Munnaluri, V., Pandey, V., & Singh, P. (2022). Machine Learning Based Approach for indian sign language recognition. 2022 7th International Conference on Communication and Electronics Systems (ICCES), 1128–1132. <https://doi.org/10.1109/ices54183.2022.9835908>
- Ng, W. L., Ng, C. K., Noordin, N. K., & Mohd. Ali, B. (2011). Gesture based automating household appliances. Lecture Notes in Computer Science, 6762, 285–293. https://doi.org/10.1007/978-3-642-21605-3_32
- Pavlyshenko, B. (2018). Using stacking approaches for machine learning models. 2018 IEEE Second International Conference on Data Stream Mining & Processing (DSMP), 255–258. <https://doi.org/10.1109/dsmp.2018.8478522>
- Rahmawati, I., Rosyidi, D., & Kasmawati. (n.d.). Implementasi Berkomunikasi Melalui BISINDO Antar Tuli Dan Non Tuli Di Lingkungan Masyarakat . <http://eprints.unm.ac.id/24218/1/JURNAL%20INDAH%20RAHMAWATI%202022.pdf>



- Rajan, R. G., & Judith Leo, M. (2020). American sign language alphabets recognition using hand crafted and deep learning features. 2020 International Conference on Inventive Computation Technologies (ICICT), 430–434. <https://doi.org/10.1109/iciet48043.2020.9112481>
- Sagayam, K. M., & Hemanth, D. J. (2016). Hand posture and gesture recognition techniques for virtual reality applications: A survey. *Virtual Reality*, 21(2), 91–107. <https://doi.org/10.1007/s10055-016-0301-0>
- Sahoo, A. K., Mishra, G. S., & Ravulakollu, K. K. (2014). Sign language recognition: State of the art. *ARPN Journal of Engineering and Applied Sciences*, 116–134.
- Sharma, S., & Singh, S. (2021). Vision-based hand gesture recognition using deep learning for the interpretation of sign language. *Expert Systems with Applications*, 182, 115657. <https://doi.org/10.1016/j.eswa.2021.115657>
- Soodtoetong, N., & Gedkhaw, E. (2018). The efficiency of sign language recognition using 3D convolutional neural networks. 2018 15th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON), 70–73. <https://doi.org/10.1109/ecticon.2018.8619984>
- Tao, L., Zappella, L., Hager, G. D., & Vidal, R. (2013). Surgical gesture segmentation and recognition. *Medical Image Computing and Computer-Assisted Intervention – MICCAI 2013*, 8151, 339–346. https://doi.org/10.1007/978-3-642-40760-4_43
- Uddin, J., Arko, F. N., Tabassum, N., Trisha, T. R., & Ahmed, F. (2017). Bangla sign language interpretation using bag of features and support vector machine. 2017 3rd International Conference on Electrical Information and Communication Technology (EICT), 1–4. <https://doi.org/10.1109/eict.2017.8275173>
- Wu, Y., & Huang, T. S. (1999). Human hand modeling, analysis and animation in the context of HCI. *Proceedings 1999 International Conference on Image Processing (Cat. 99CH36348)*, 3, 6–10. <https://doi.org/10.1109/icip.1999.817058>
- Zargar, S. A. (2021, April). Introduction to Sequence Learning Models: RNN, LSTM, GRU. ResearchGate. https://www.researchgate.net/publication/350950396_Introduction_to_Sequence_Learning_Models_RNN_LSTM_GRU