REFERENCES

[1] Md. A. R. Ridoy and Md. R. Islam, “A Lightweight Convolutional Neural Network for White Blood Cells Classification,” in *2020 23rd International Conference on Computer and Information Technology (ICCIT)*, DHAKA, Bangladesh: IEEE, Dec. 2020, pp. 1–5. doi: 10.1109/ICCIT51783.2020.9392649.

[2] M. J. Macawile, V. V. Quinones, A. Ballado, J. D. Cruz, and M. V. Caya, “White blood cell classification and counting using convolutional neural network,” in *2018 3rd International Conference on Control and Robotics Engineering (ICCRE)*, Nagoya: IEEE, Apr. 2018, pp. 259–263. doi: 10.1109/ICCRE.2018.8376476.

[3] G. Huang, Z. Liu, L. Van Der Maaten, and K. Q. Weinberger, “Densely Connected Convolutional Networks,” in *2017 IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, Honolulu, HI: IEEE, Jul. 2017, pp. 2261–2269. doi: 10.1109/CVPR.2017.243.

[4] S. Cheng, Y. Suhua, and J. Shaofeng, “Improved faster RCNN for white blood cells detection in blood smear image,” in *2019 14th IEEE International Conference on Electronic Measurement & Instruments (ICEMI)*, Changsha, China: IEEE, Nov. 2019, pp. 1677–1682. doi: 10.1109/ICEMI46757.2019.9101445.

[5] A. Gautam and H. Bhadauria, “Classification of white blood cells based on morphological features,” in *2014 International Conference on Advances in Computing, Communications and Informatics (ICACCI)*, Delhi, India: IEEE, Sep. 2014, pp. 2363–2368. doi: 10.1109/ICACCI.2014.6968362.

[6] T. Treebupachatsakul and S. Poomrittigul, “Bacteria Classification using Image Processing and Deep learning,” in *2019 34th International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC)*, JeJu, Korea (South): IEEE, Jun. 2019, pp. 1–3. doi: 10.1109/ITC-CSCC.2019.8793320.

[7] S. Manik, L. M. Saini, and N. Vadera, “Counting and classification of white blood cell using Artificial Neural Network (ANN),” in *2016 IEEE 1st International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES)*, Delhi, India: IEEE, Jul. 2016, pp. 1–5. doi: 10.1109/ICPEICES.2016.7853644.

[8] W. Yu *et al.*, “Automatic classification of leukocytes using deep neural network,” in *2017 IEEE 12th International Conference on ASIC (ASICON)*, Guiyang: IEEE, Oct. 2017, pp. 1041–1044. doi: 10.1109/ASICON.2017.8252657.

[9] T. Rosyadi, A. Arif, Nopriadi, B. Achmad, and Faridah, “Classification of leukocyte images using K-Means Clustering based on geometry features,” in *2016 6th International Annual Engineering Seminar (InAES)*, Yogyakarta, Indonesia: IEEE, Aug. 2016, pp. 245–249. doi: 10.1109/INAES.2016.7821942.

[10] G. Liang, H. Hong, W. Xie, and L. Zheng, “Combining Convolutional Neural Network With Recursive Neural Network for Blood Cell Image Classification,” *IEEE Access*, vol. 6, pp. 36188–36197, 2018, doi: 10.1109/ACCESS.2018.2846685.

[11] A. Gautam, P. Singh, B. Raman, and H. Bhadauria, “Automatic classification of leukocytes using morphological features and Naïve Bayes classifier,” in *2016 IEEE Region 10 Conference (TENCON)*, Singapore: IEEE, Nov. 2016, pp. 1023–1027. doi: 10.1109/TENCON.2016.7848161.

[12] A. U. R. Durrani, N. Minallah, N. Aziz, J. Frnda, W. Khan, and J. Nedoma, “Effect of hyper-parameters on the performance of ConvLSTM based deep neural network in crop

classification", *PLoS ONE*, vol. 18, no. 2, p. e0275653, Feb. 2023, doi: 10.1371/journal.pone.0275653.
[13] A. U. R. Durrani, N. Minallah, N. Aziz, J. Frnda, W. Khan, and J. Nedoma, 'Effect of hyper-parameters on the performance of ConvLSTM based deep neural network in crop classification', *PLoS ONE*, vol. 18, no. 2, p. e0275653, Feb. 2023, doi: 10.1371/journal.pone.0275653.
[14] S. Ozturk, U. Ozkaya, B. Akdemir, and L. Seyfi, 'Convolution Kernel Size Effect on Convolutional Neural Network in Histopathological Image Processing Applications', in *2018 International Symposium on Fundamentals of Electrical Engineering (ISFEE)*, Bucharest, Romania: IEEE, Nov. 2018, pp. 1–5. doi: 10.1109/ISFEE.2018.8742484.
[15] S. Sharma, S. Sharma, and A. Athaiya, 'ACTIVATION FUNCTIONS IN NEURAL NETWORKS', *IJEAST*, vol. 04, no. 12, pp. 310–316, May 2020, doi: 10.33564/IJEAST.2020.v04i12.054.
[16] L. Datta, 'A Survey on Activation Functions and their relation with Xavier and He Normal Initialization'. arXiv, Mar. 18, 2020. Accessed: Nov. 30, 2023. [Online]. Available: http://arxiv.org/abs/2004.06632
[17] A. Ramdan, V. Zilvan, E. Suryawati, H. F. Pardede, and V. P. Rahadi, 'Tea clone classification using deep CNN with residual and densely connections', *Jurnal Teknologi dan Sistem Komputer*, vol. 8, no. 4, pp. 289–296, Oct. 2020, doi: 10.14710/jtsiskom.2020.13768.
[18] B. M. Mathunjwa, Y.-T. Lin, C.-H. Lin, M. F. Abbod, and J.-S. Shieh, 'ECG arrhythmia classification by using a recurrence plot and convolutional neural network', *Biomedical Signal Processing and Control*, vol. 64, p. 102262, Feb. 2021, doi: 10.1016/j.bspc.2020.102262.
[19]I. Kandel and M. Castelli, 'The effect of batch size on the generalizability of the convolutional neural networks on a histopathology dataset', *ICT Express*, vol. 6, no. 4, pp. 312–315, Dec. 2020, doi: 10.1016/j.icte.2020.04.010.
[20] X. Liang *et al.*, 'R-Drop: Regularized Dropout for Neural Networks'. arXiv, Oct. 29, 2021. Accessed: Dec. 01, 2023. [Online]. Available: http://arxiv.org/abs/2106.14448