

- [10] Y. Lecun, E. Bottou, Y. Bengio, and P. Haffner, "Gradient-Based Learning Applied to Document Recognition," 1998.
- [11] K. He, X. Zhang, S. Ren, and J. Sun, "Deep residual learning for image recognition," in *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition*, IEEE Computer Society, Dec. 2016, pp. 770–778. doi:10.1109/CVPR.2016.90.
- [12] F. N. Iandola, S. Han, M. W. Moskewicz, K. Ashraf, W. J. Dally, and K. Keutzer, "SqueezeNet: AlexNet-level accuracy with 50x fewer parameters and <0.5MB model size," Feb. 2016, [Online]. Available: <http://arxiv.org/abs/1602.07360>
- [13] K. Simonyan and A. Zisserman, "Very Deep Convolutional Networks for Large-Scale Image Recognition," *3rd International Conference on Learning Representations, ICLR 2015 - Conference Track Proceedings*, pp. 1–14, Sep. 2014, [Online]. Available: <http://arxiv.org/abs/1409.1556>
- [14] F. Chollet, "Xception: Deep learning with depthwise separable convolutions," in *Proceedings - 30th IEEE Conference on Computer Vision and Pattern Recognition, CVPR 2017*, 2017. doi:10.1109/CVPR.2017.195.
- [15] M. D. Zeiler and R. Fergus, "Visualizing and understanding convolutional networks," in *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 2014. doi: 10.1007/978-3-319-10590-1_53.
- [16] Z. Song, L. Fu, J. Wu, Z. Liu, R. Li, and Y. Cui, "Kiwifruit detection in field images using Faster R-CNN with VGG16," in *IFAC-PapersOnLine*, Elsevier B.V., 2019, pp. 76–81. doi:10.1016/j.ifacol.2019.12.500.
- [17] P. Hridayami, I. K. G. D. Putra, and K. S. Wibawa, "Fish species recognition using VGG16 deep convolutional neural network," *Journal of Computing Science and Engineering*, vol. 13, no. 3, pp. 124–130, 2019, doi: 10.5626/JCSE.2019.13.3.124.
- [18] S. Theetchenya, S. Ramasubbareddy, S. Sankar, and S. M. Basha, "Hybrid approach for content-based image retrieval," *International Journal of Data Science*, vol. 6, no. 1, p. 45, 2021. doi:10.1504/ijds.2021.117467.
- [19] S. S. Sawant *et al.*, "An optimal-score-based filter pruning for deep convolutional neural networks," *Applied Intelligence*, vol. 52, no. 15, 2022, doi: 10.1007/s10489-022-03229-5.
- [20] I. Singh Walia, M. Srivastava, D. Kumar, M. Rani, P. Muthreja, and G. Mohadikar, "Pneumonia Detection using Depth-Wise Convolutional Neural Network (DW-CNN)," 2020, doi: 10.4108/.
- [21] Zhongqin Bi, Ling Yu, Honghao Gao, Ping Zhou, and Hongyang Yao, "Improved VGG model-based efficient traffic sign recognition for safe driving in 5G scenarios.pdf," 2020.
- [22] M. N. Islam *et al.*, "Diagnosis of hearing deficiency using EEG based AEP signals: CWT and improved-VGG16 pipeline," *PeerJ Comput Sci*, vol. 7, p. e638, 2021, doi: 10.7717/peerj-cs.638.
- [23] A. Labach, H. Salehinejad, and S. Valaee, "Survey of Dropout Methods for Deep Neural Networks," Apr. 2019, [Online]. Available: <http://arxiv.org/abs/1904.13310>
- [24] G. Chen, P. Chen, Y. Shi, C.-Y. Hsieh, B. Liao, and S. Zhang, "Rethinking the Usage of Batch Normalization and Dropout in the Training of Deep Neural Networks," May 2019, [Online]. Available: <http://arxiv.org/abs/1905.05928>
- [25] D. Serdyuk, O. Braga, and O. Siohan, "Audio-Visual Speech Recognition is Worth 32times 32times 8\$ Voxels," in *2021 IEEE Automatic Speech Recognition and Understanding Workshop, ASRU 2021 - Proceedings*, 2021. doi: 10.1109/ASRU51503.2021.9688191.
- [26] Y. Zhou, H. Chang, Y. Lu, X. Lu, and R. Zhou, "Improving the Performance of VGG through Different Granularity Feature Combinations," *IEEE Access*, vol. 9, 2021, doi:10.1109/ACCESS.2020.3031908.
- [27] F. Pasa, V. Golkov, F. Pfeiffer, D. Cremers, and D. Pfeiffer, "Efficient Deep Network Architectures for Fast Chest X-Ray Tuberculosis Screening and Visualization," *Sci Rep*, vol. 9, no. 1, Dec. 2019, doi:10.1038/s41598-019-42557-4.
- [28] M. Mateen, J. Wen, Nasrullah, S. Song, and Z. Huang, "Fundus image classification using VGG-19 architecture with PCA and SVD," *Symmetry (Basel)*, vol. 11, no. 1, Jan. 2019, doi:10.3390/sym11010001.
- [29] F. Zhao, B. Zhang, Z. Zhang, X. Zhang, and C. Wei, "Classification and detection method of Blood lancet based on VGG16 network," *2021 IEEE International Conference on Mechatronics and Automation, ICMA 2021*, pp. 849–853, 2021, doi:10.1109/ICMA52036.2021.9512686.
- [30] H. Yang, J. Ni, J. Gao, Z. Han, and T. Luan, "A novel method for peanut variety identification and classification by Improved VGG16," *Sci Rep*, vol. 11, no. 1, 2021, doi: 10.1038/s41598-021-95240-y.
- [31] Q. Yan, B. Yang, W. Wang, B. Wang, P. Chen, and J. Zhang, "Apple leaf diseases recognition based on an improved convolutional neural network," *Sensors (Switzerland)*, vol. 20, no. 12, pp. 1–14, 2020, doi:10.3390/s20123535.
- [32] X. Li *et al.*, "Multi-Modal Multi-Instance Learning for Retinal Disease Recognition," in *MM 2021 - Proceedings of the 29th ACM International Conference on Multimedia*, 2021. doi:10.1145/3474085.3475418.
- [33] B. Cui, X. M. Dong, Q. Zhan, J. Peng, and W. Sun, "LiteDepthwiseNet: A Lightweight Network for Hyperspectral Image Classification," *IEEE Transactions on Geoscience and Remote Sensing*, vol. 60, 2022, doi: 10.1109/TGRS.2021.3062372.
- [34] E. Ovalle-Magallanes, N. G. Aldana-Murillo, J. G. Avina-Cervantes, J. Ruiz-Pinales, J. Cepeda-Negrete, and S. Ledesma, "Transfer Learning for Humanoid Robot Appearance-Based Localization in a Visual Map," *IEEE Access*, vol. 9, pp. 6868–6877, 2021, doi:10.1109/ACCESS.2020.3048936.
- [35] M. Lin, Q. Chen, and S. Yan, "Network In Network," Dec. 2013, [Online]. Available: <http://arxiv.org/abs/1312.4400>.
- [36] P. P. Das, A. Acharjee, and Marium-E-Jannat, "Double coated VGG16 architecture: An enhanced approach for genre classification of spectrographic representation of musical pieces," in *2019 22nd International Conference on Computer and Information Technology, ICCIT 2019*, 2019. doi: 10.1109/ICCIT48885.2019.9038339.
- [37] H. P. A. Tjahyaningtjas, A. K. Nugroho, C. V. Angkoso, I. K. E. Purnama, and M. H. Purnomo, "Automatic Segmentation on Glioblastoma Brain Tumor Magnetic Resonance Imaging Using Modified U-Net," *EMITTER International Journal of Engineering Technology*, vol. 8, no. 1, pp. 161–177, Jun. 2020, doi:10.24003/emitter.v8i1.505.
- [38] M. M. Bejani and M. Ghatte, "A systematic review on overfitting control in shallow and deep neural networks," *Artif Intell Rev*, vol. 54, no. 8, 2021, doi: 10.1007/s10462-021-09975-1.
- [39] T. Ditterich, "Overfitting and Undercomputing in Machine Learning," *ACM Computing Surveys (CSUR)*, vol. 27, no. 3, 1995, doi:10.1145/212094.212114.
- [40] S. J. Nowlan and G. E. Hinton, "Simplifying neural networks by soft weight sharing," in *The Mathematics Of Generalization*, 2018. doi:10.1162/neco.1992.4.4.473.
- [41] D. M. Hawkins, "The Problem of Overfitting," *Journal of Chemical Information and Computer Sciences*, vol. 44, no. 1, 2004. doi:10.1021/ci0342472.
- [42] H. N. A. Pham and E. Triantaphyllou, "The impact of overfitting and overgeneralization on the classification accuracy in data mining," in *Soft Computing for Knowledge Discovery and Data Mining*, 2008. doi:10.1007/978-0-387-69935-6_16.
- [43] D. P. Kingma and J. Ba, "Adam: A Method for Stochastic Optimization," Dec. 2014, [Online]. Available: <http://arxiv.org/abs/1412.6980>
- [44] M. Tan and Q. V. Le, "EfficientNet: Rethinking model scaling for convolutional neural networks," in *36th International Conference on Machine Learning, ICML 2019*, 2019.
- [45] M. Grandini, E. Bagli, and G. Visani, "Metrics for Multi-Class Classification: an Overview," Aug. 2020, [Online]. Available: <http://arxiv.org/abs/2008.05756>.
- [46] M. Shu, "Deep Learning for Image Classification on Very Small Datasets Using Transfer Learning," 2019.
- [47] K. S. Lee, S. K. Jung, J. J. Ryu, S. W. Shin, and J. Choi, "Evaluation of transfer learning with deep convolutional neural networks for screening osteoporosis in dental panoramic radiographs," *J Clin Med*, vol. 9, no. 2, Feb. 2020, doi: 10.3390/jcm9020392.