

REFERENCES

- [1] X. Zhou, W. Gong, W. Fu, and F. Du, "Application of deep learning in object detection," in *2017 IEEE/ACIS 16th International Conference on Computer and Information Science (ICIS)*. IEEE, 2017, pp. 631–634.
- [2] W. Zhiqiang and L. Jun, "A review of object detection based on convolutional neural network," in *2017 36th Chinese control conference (CCC)*. IEEE, 2017, pp. 11 104–11 109.
- [3] R. L. Galvez, A. A. Bandala, E. P. Dadios, R. R. P. Vicerra, and J. M. Z. Maningo, "Object detection using convolutional neural networks," in *TENCON 2018-2018 IEEE Region 10 Conference*. IEEE, 2018, pp. 2023–2027.
- [4] A. R. Fansdana, A. K. Heikhmakhtiar, and S. Mandala, "Real-time falling detection system for elderly using cnn," in *2021 International Conference on Data Science and Its Applications (ICoDSA)*. IEEE, 2021, pp. 194–197.
- [5] H. Jiang and E. Learned-Miller, "Face detection with the faster r-cnn," in *2017 12th IEEE International Conference on Automatic Face & Gesture Recognition (FG 2017)*. IEEE, 2017, pp. 650–657.
- [6] R. Ayachi, M. Afif, Y. Said, and A. B. Abdelali, "Drivers fatigue detection using efficientdet in advanced driver assistance systems," in *2021 18th International Multi-Conference on Systems, Signals & Devices (SSD)*. IEEE, 2021, pp. 738–742.
- [7] A. Younis, L. Shixin, S. Jn, and Z. Hai, "Real-time object detection using pre-trained deep learning models mobilenet-ssd," in *Proceedings of 2020 the 6th International Conference on Computing and Data Engineering*, 2020, pp. 44–48.
- [8] L. Cao, X. Zhang, J. Pu, S. Xu, X. Cai, and Z. Li, "The field wheat count based on the efficientdet algorithm," in *2020 IEEE 3rd International Conference on Information Systems and Computer Aided Education (ICISCAE)*. IEEE, 2020, pp. 557–561.
- [9] T. V. Janahiraman and M. S. M. Subuhan, "Traffic light detection using tensorflow object detection framework," in *2019 IEEE 9th International Conference on System Engineering and Technology (ICSET)*. IEEE, 2019, pp. 108–113.
- [10] J. Liao, J. Zou, A. Shen, J. Liu, and X. Du, "Cigarette end detection based on efficientdet," in *Journal of Physics: Conference Series*, vol. 1748, no. 6. IOP Publishing, 2021, p. 062015.
- [11] H. Yanagisawa, T. Yamashita, and H. Watanabe, "A study on object detection method from manga images using cnn," in *2018 International Workshop on Advanced Image Technology (IWAIT)*. IEEE, 2018, pp. 1–4.
- [12] P. Garg, D. R. Chowdhury, and V. N. More, "Traffic sign recognition and classification using yolov2, faster rcnn and ssd," in *2019 10th International Conference on Computing, Communication and Networking Technologies (ICCCNT)*. IEEE, 2019, pp. 1–5.
- [13] D. Medak, L. Posilović, M. Subašić, M. Budimir, and S. Lončarić, "Automated defect detection from ultrasonic images using deep learning," *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, vol. 68, no. 10, pp. 3126–3134, 2021.
- [14] T.-Y. Lin, M. Maire, S. Belongie, J. Hays, P. Perona, D. Ramanan, P. Dollár, and C. L. Zitnick, "Microsoft coco: Common objects in context," in *European conference on computer vision*. Springer, 2014, pp. 740–755.
- [15] R. Padilla, S. L. Netto, and E. A. Da Silva, "A survey on performance metrics for object-detection algorithms," in *2020 international conference on systems, signals and image processing (IWSSIP)*. IEEE, 2020, pp. 237–242.
- [16] S. Mandala, Y. N. Fuadah, M. Arzaki, and F. E. Pambudi, "Performance analysis of wavelet-based denoising techniques for ecg signal," in *2017 5th International Conference on Information and Communication Technology (ICoICT)*. IEEE, 2017, pp. 1–6.
- [17] B. Pang, E. Nijkamp, and Y. N. Wu, "Deep learning with tensorflow: A review," *Journal of Educational and Behavioral Statistics*, vol. 45, no. 2, pp. 227–248, 2020.
- [18] Y. Coulibaly, G. Rouskas, M. S. Abd Latiff, M. A. Razzaque, and S. Mandala, "Qos-aware ant-based route, wavelength and timeslot assignment algorithm for optical burst switched networks," *Transactions on Emerging Telecommunications Technologies*, vol. 26, no. 11, pp. 1265–1277, 2015.
- [19] Y. Coulibaly, A. A. I. Al-Kilany, M. S. Abd Latiff, G. Rouskas, S. Mandala, and M. A. Razzaque, "Secure burst control packet scheme for optical burst switching networks," in *2015 IEEE International Broadband and Photonics Conference (IBP)*. IEEE, 2015, pp. 86–91.
- [20] C. Lee, H. J. Kim, and K. W. Oh, "Comparison of faster r-cnn models for object detection," in *2016 16th international conference on control, automation and systems (iccas)*. IEEE, 2016, pp. 107–110.
- [21] I. Z. Mukti and D. Biswas, "Transfer learning based plant diseases detection using resnet50," in *2019 4th International Conference on Electrical Information and Communication Technology (EICT)*. IEEE, 2019, pp. 1–6.
- [22] L. Jiao, F. Zhang, F. Liu, S. Yang, L. Li, Z. Feng, and R. Qu, "A survey of deep learning-based object detection," *IEEE Access*, vol. 7, pp. 128 837–128 868, 2019.
- [23] D. Biswas, H. Su, C. Wang, A. Stevanovic, and W. Wang, "An automatic traffic density estimation using single shot detection (ssd) and mobilenet-ssd," *Physics and Chemistry of the Earth, Parts A/B/C*, vol. 110, pp. 176–184, 2019.
- [24] S. Song, J. Jing, Y. Huang, and M. Shi, "Efficientdet for fabric defect detection based on edge computing," *Journal of Engineered Fibers and Fabrics*, vol. 16, p. 15589250211008346, 2021.
- [25] K. Jenni, S. Mandala, and M. S. Sunar, "Content based image retrieval using colour strings comparison," *Procedia Computer Science*, vol. 50, pp. 374–379, 2015.
- [26] K. Jenni and S. Mandala, "Pre-processing image database for efficient content based image retrieval," in *2014 International Conference on Advances in Computing, Communications and Informatics (ICACCI)*. IEEE, 2014, pp. 968–972.