

- [5] S. Y. Arafat and M. J. Iqbal, "Urdu-Text Detection and Recognition in Natural Scene Images Using Deep Learning," *IEEE Access*, vol. 8, no. June, pp. 96787–96803, 2020, doi: 10.1109/ACCESS.2020.2994214.
- [6] M. Liao et al., "Scene text recognition from two-dimensional perspective," *33rd AAAI Conference on Artificial Intelligence, AAAI 2019, 31st Innovative Applications of Artificial Intelligence Conference, IAAI 2019 and the 9th AAAI Symposium on Educational Advances in Artificial Intelligence, EAAI 2019*, pp. 8714–8721, 2019, doi: 10.1609/aaai.v33i01.33018714.
- [7] X. Zhu, J. Wang, Z. Hong, T. Xia, and J. Xiao, "Federated learning of unsegmented chinese text recognition model," *Proceedings - International Conference on Tools with Artificial Intelligence, ICTAI*, vol. 2019-November, no. 2018, pp. 1341–1345, 2019, doi: 10.1109/ICTAI.2019.00186.
- [8] H. Zhang, Q. Yao, M. Yang, Y. Xu, and X. Bai, "AutoSTR: Efficient Backbone Search for Scene Text Recognition," *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, vol. 12369 LNCS, pp. 751–767, 2020, doi: 10.1007/978-3-030-58586-0_44.
- [9] J. Zhang, C. Luo, L. Jin, T. Wang, Z. Li, and W. Zhou, "SaHAN: Scale-aware hierarchical attention network for scene text recognition," *Pattern Recognition Letters*, vol. 136, pp. 205–211, 2020, doi: 10.1016/j.patrec.2020.06.009.
- [10] D. V. Sang and L. T. B. Cuong, "Improving CRNN with EfficientNet-like feature extractor and multi-head attention for text recognition," *ACM International Conference Proceeding Series*, no. December, pp. 285–290, 2019, doi: 10.1145/3368926.3369689.
- [11] Q. Lin, C. Luo, L. Jin, and S. Lai, "STAN: A sequential transformation attention-based network for scene text recognition," *Pattern Recognition*, vol. 111, p. 107692, 2021, doi: 10.1016/j.patcog.2020.107692.
- [12] A. Mirza, O. Zeshan, M. Atif, and I. Siddiqi, "Detection and recognition of cursive text from video frames," *Eurasip Journal on Image and Video Processing*, vol. 2020, no. 1, 2020, doi: 10.1186/s13640-020-00523-5.
- [13] A. Aberdam et al., "Sequence-to-Sequence Contrastive Learning for Text Recognition," 2020.
- [14] R. Harizi, R. Walha, F. Drira, and M. Zaied, "Convolutional neural network with joint stepwise character/word modeling based system for scene text recognition," *Multimedia Tools and Applications*, 2021, doi: <https://doi.org/10.1007/s11042-021-10663-z>.
- [15] C. Luo, L. Jin, and Z. Sun, "MORAN: A Multi-Object Rectified Attention Network for scene text recognition," *Pattern Recognition*, vol. 90, pp. 109–118, 2019, doi: 10.1016/j.patcog.2019.01.020.
- [16] X. Zhou et al., "EAST: An efficient and accurate scene text detector," *Proceedings - 30th IEEE Conference on Computer Vision and Pattern Recognition, CVPR 2017*, vol. 2017-January, pp. 2642–2651, 2017, doi: 10.1109/CVPR.2017.283.
- [17] U. Alganci, M. Soydas, and E. Sertel, "Comparative research on deep learning approaches for airplane detection from very high-resolution satellite images," *Remote Sensing*, vol. 12, no. 3, 2020, doi: 10.3390/rs12030458.
- [18] R. Suresh and N. Keshava, "A Survey of Popular Image and Text analysis Techniques," *CSITSS 2019 - 2019 4th International Conference on Computational Systems and Information Technology for Sustainable Solution, Proceedings*, 2019, doi: 10.1109/CSITSS47250.2019.9031023.
- [19] F. Zhang, J. Luan, Z. Xu, and W. Chen, "DetReco: Object-Text Detection and Recognition Based on Deep Neural Network," *Mathematical Problems in Engineering*, vol. 2020, 2020, doi: 10.1155/2020/2365076.
- [20] Y. Liu, Z. Wang, H. Jin, and I. Wassell, "Synthetically Supervised Feature Learning for Scene Text Recognition," *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, vol. 11209 LNCS, pp. 449–465, 2018, doi: 10.1007/978-3-030-01228-1_27.
- [21] L. Chen and S. Li, "Improvement research and application of text recognition algorithm based on CRNN," *ACM International Conference Proceeding Series*, pp. 166–170, 2018, doi: 10.1145/3297067.3297073.