

References

- [1] N. Ben-Lhachemi, E. H. Nfaoui, and J. Boumhidi, "Hashtag Recommender System based on LSTM Neural Recurrent Network," *2019 Third International Conference on Intelligent Computing in Data Sciences (ICDS)*, Oct. 2019, doi: 10.1109/icds47004.2019.8942380.
- [2] V. L. Jaja, B. Susanto, and L. R. Sasongko, "Penerapan metode Item-Based Collaborative Filtering untuk sistem rekomendasi data MovieLens," *D'Cartesian: Jurnal Matematika Dan Aplikasi/D' Cartesian*, vol. 9, no. 2, p. 78, Sep. 2020, doi: 10.35799/dc.9.2.2020.28274.
- [3] B. M. G. A. Awienoor, and E. B. Setiawan, "Movie Recommendation System Based on Tweets Using Switching Hybrid Filtering with Recurrent Neural Network," *International Journal of Intelligent Engineering and Systems*, vol. 17, no. 2, pp. 277–293, Apr. 2024, doi: 10.22266/ijies2024.0430.24.
- [4] M. Sanwal and C. Çalışkan, "A hybrid movie recommender system and rating prediction model," *International Journal of Information Technology and Applied Sciences*, vol. 3, no. 3, pp. 161–168, Aug. 2021, doi: 10.52502/ijitas.v3i3.128.
- [5] S. Liang and J. Susanto, "Rancang Bangun Aplikasi Rekomendasi Restoran Menggunakan Metode K-Nearest Neighbors dan Content-Based Filtering," *JURIKOM (Jurnal Riset Komputer)/Jurikom*, vol. 9, no. 1, p. 8, Feb. 2022, doi: 10.30865/jurikom.v9i1.3816.
- [6] B. Walek and V. Fojtik, "A hybrid recommender system for recommending relevant movies using an expert system," *Expert Systems With Applications*, vol. 158, p. 113452, Nov. 2020, doi: 10.1016/j.eswa.2020.113452.
- [7] R. Rahman, T. I. Hermanto, and M. Defriani, "Hyperparamaters fine-tuning for bidirectional long short term memory on food delivery," *Matrik*, vol. 23, no. 1, pp. 53–66, Nov. 2023, doi: 10.30812/matrik.v23i1.3084.
- [8] D. I. Af'idah, D. Dairoh, S. F. Handayani, R. W. Pratiwi, and S. I. Sari, "Sentimen ulasan destinasi wisata Pulau Bali menggunakan bidirectional long Short term memory," *Matrik*, vol. 21, no. 3, pp. 607–618, Jul. 2022, doi: 10.30812/matrik.v21i3.1402.
- [9] S. Sahu, R. Kumar, P. M. Shafi, J. Shafi, Y. Kumar, and M. F. Ijaz, "Movie popularity and target audience prediction using the Content-Based Recommender System," *IEEE Access*, vol. 10, pp. 42044–42060, Jan. 2022, doi: 10.1109/access.2022.3168161.
- [10] I. A. Asqolani and E. B. Setiawan, "Hybrid deep learning approach and Word2VEC feature expansion for cyberbullying detection on Indonesian Twitter," *Ingénierie Des Systèmes D'information/Ingénierie Des Systèmes D'Information*, vol. 28, no. 4, pp. 887–895, Aug. 2023, doi: 10.18280/isi.280410.
- [11] B. Jang, M. Kim, G. Harerimana, S. U. Kang, and J. W. Kim, "Bi-LSTM model to increase accuracy in text classification: combining Word2VEC CNN and Attention Mechanism," *Applied Sciences*, vol. 10, no. 17, p. 5841, Aug. 2020, doi: 10.3390/app10175841.
- [12] H. B. Abdalla, A. Ahmed, B. Mehmed, M. Gheisari, and M. Cheraghy, "An Efficient Recommendation System in E-commerce using Passer learning optimization based on Bi-LSTM," *arXiv (Cornell University)*, Jan. 2023, doi: 10.48550/arxiv.2308.00137.
- [13] S. P. Kristanto and L. Hakim, "Ekstraksi informasi destinasi wisata populer Jawa Timur menggunakan Depth-First Crawling," *Matrik*, vol. 21, no. 1, pp. 229–236, Nov. 2021, doi: 10.30812/matrik.v21i1.1081.
- [14] S. Pradha, M. N. Halgamuge, and N. T. Q. Vinh, "Effective Text Data Preprocessing Technique for Sentiment Analysis in Social Media Data," *2019 11th International Conference on Knowledge and Systems Engineering (KSE)*, Oct. 2019, doi: 10.1109/kse.2019.8919368.
- [15] P. F. Muhammad, R. Kusumaningrum, and A. Wibowo, "Sentiment analysis using Word2VEC and Long Short-Term Memory (LSTM) for Indonesian hotel reviews," *Procedia Computer Science*, vol. 179, pp. 728–735, Jan. 2021, doi: 10.1016/j.procs.2021.01.061.

- [16] A. Feizollah, S. Ainin, N. B. Anuar, N. A. B. Abdullah, and M. Hazim, “Halal products on Twitter: Data extraction and sentiment analysis using stack of deep learning algorithms,” *IEEE Access*, vol. 7, pp. 83354–83362, Jan. 2019, doi: 10.1109/access.2019.2923275.
- [17] R. A. Annisa and E. B. Setiawan, “Aspect Based Sentiment Analysis on Twitter Using Word2Vec Feature Expansion Method and Gradient Boosting Decision Tree Classification Method,” *2022 the 1st International Conference on Software Engineering and Information Technology (ICoSEIT)*, Nov. 2022, doi: 10.1109/icoseit55604.2022.10030010.
- [18] R. H. Singh, S. Maurya, T. Tripathi, T. Narula, and G. Srivastav, “Movie Recommendation System using Cosine Similarity and KNN,” *International Journal of Engineering and Advanced Technology*, vol. 9, no. 5, pp. 556–559, Jun. 2020, doi: 10.35940/ijeat.e9666.069520.
- [19] J. Xiang, Z. Qiu, Q. Hao, and H. Cao, “Multi-time scale wind speed prediction based on WT-bi-LSTM,” *MATEC Web of Conferences*, vol. 309, p. 05011, Jan. 2020, doi: 10.1051/matecconf/202030905011.
- [20] A. D. Safira and E. B. Setiawan, “Hoax Detection in Social Media using Bidirectional Long Short-Term Memory (Bi-LSTM) and 1 Dimensional-Convolutional Neural Network (1D-CNN) Methods,” *2023 - 11th International Conference on Information and Communication Technology (ICoICT)*, Aug. 2023, doi: 10.1109/icoict58202.2023.10262528.
- [21] B. K. Yousafzai et al., “Student-Performulator: Student academic performance using hybrid deep neural network,” *Sustainability*, vol. 13, no. 17, p. 9775, Aug. 2021, doi: 10.3390/su13179775.
- [22] M. I. C. Rachmatullah, “The application of repeated SMOTE for multi class classification on imbalanced data,” *Matrik*, vol. 22, no. 1, pp. 13–24, Nov. 2022, doi: 10.30812/matrik.v22i1.1803.
- [23] K. U. Wijaya, and E. B. Setiawan, “Hate Speech Detection Using Convolutional Neural Network and Gated Recurrent Unit with FastText Feature Expansion on Twitter,” *JITEKI: Jurnal Ilmiah Teknik Elektro Komputer Dan Informatika*, 9(3), 619-631. 2023 doi: 10.26555/jiteki.v9i3.26532.