- [8] Mirjalili, S. (2015). Moth-flame optimization algorithm: A novel nature-inspired heuristic paradigm. Knowledge-based systems, 89, pp. 228-249.
- [9] Nie, F.; Yang, S.; Zhang, R.; and Li, X. (2018). A general framework for auto-weighted feature selection via global redundancy minimization. IEEE Transactions on Image Processing, 28(5), pp. 2428-2438.
- [10] Pandhare, K.R.; and Shah, M.A. (2017 March). Real time road traffic event detection using Twitter and spark. In 2017 International conference on inventive communication and computational technologies (ICICCT), IEEE, pp. 445-449.
- [11] Pandhare, K.R.; and Shah, M.A. (2017, March). Real time road traffic event detection using Twitter and spark. In 2017 International conference on inventive communication and computational technologies (ICICCT), IEEE, pp. 445-449.
- [12] Phan, H.; Krawczyk-Becker, M.; Gerkmann, T.; and Mertins, A. (2017). DNN and CNN with weighted and multi-task loss functions for audio event detection. arXiv preprint arXiv:1708.03211.
- [13] Ramos, J. (2003, December). Using tf-idf to determine word relevance in document queries. In Proceedings of the first instructional conference on machine learning, 242(1), pp. 29-48.
- [14] Reiz, A.N.; de la Hoz, M.A.; and García, M.S. (2019). Big data analysis and machine learning in intensive care units. Medicina Intensiva (English Edition), 43(7), pp. 416-426.
- [15] Saeed, Z.; Abbasi, R.A.; Maqbool, O.; Sadaf, A.; Razzak, I.; Daud, A.; Aljohani, N.R.; and Xu, G. (2019). What's happening around the world? a survey and framework on event detection techniques on twitter. Journal of Grid Computing, 17(2), pp. 279-312.
- [16] Salas, A.; Georgakis, P.; Nwagboso, C.; Ammari, A.; and Petalas, I. (2017, July). Traffic event detection framework using social media. In 2017 IEEE International Conference on Smart Grid and Smart Cities (ICSGSC), IEEE, pp. 303-307.
- [17] Takahashi, N.; Gygli, M.; Pfister, B.; and Van Gool, L. (2016). Deep convolutional neural networks and data augmentation for acoustic event detection. arXiv preprint arXiv:1604.07160.
- [18] Tao, D.; Yang, P., and Feng, H. (2020). Utilization of text mining as a big data analysis tool for food science and nutrition. Comprehensive Reviews in Food Science and Food Safety, 19(2), pp. 875-894.
- [19] Wan, J.; Zheng, P.; Si, H.; Xiong, N.N.; Zhang, W.; and Vasilakos, A.V. (2019). An artificial intelligence driven multi-feature extraction scheme for big data detection. IEEE Access, 7, pp. 80122-80132.
- [20] Wang, D.; Nie, F.; and Huang, H. (2015). Feature selection via global redundancy minimization. IEEE transactions on Knowledge and data engineering, 27(10), pp. 2743-2755.
- [21] Wang, T.; Bhuiyan, M.Z.A.; Wang, G.; Rahman, M.A.; Wu, J.; and Cao, J. (2018). Big data reduction for a smart city's critical infrastructural health monitoring. IEEE Communications Magazine, 56(3), pp. 128-133.
- [22] Xu, T.; and Overbye, T. (2015, November). Real-time event detection and feature extraction using PMU measurement data. In 2015 IEEE International Conference on Smart Grid Communications (SmartGridComm), pp. 265-270.
- [23] Zhang, Y.; Jin, R.; and Zhou, Z.H. (2010). Understanding bag-of-words model: a statistical framework. International Journal of Machine Learning and Cybernetics, 1(1-4), pp. 43-52.

Authors Profile



K Swapnika pursuing Ph. D in Data Mining and Information Retrieval Systems stream at Jawaharlal Nehru Technological University, Hyderabad Hyderabad, she completed M. Tech in Software Engineering from Jawaharlal Nehru Technological University Hyderabad and has 8 years of academic experience. Her Research Interest includes Information Retrieval Systems and Bigdata Analytics.



а

Dr. D. Vasumathi is a Professor and HOD of Computer Science and Engineering Department in JNTUH College of Engineering, J. N. T. University, and Hyderabad. She has completed her PhD at J. N. T. University, Hyderabad in 2011 and has more than 20 years of experience in Teaching and Research. She is guiding 09 PhD scholars in Computer Science and Engineering, and she is also Vice-President of National ST Employees and Officers Welfare Association (NST & OWA), and General Secretary for Teaching Association (NECTA), in JNTUH college of Engineering. She is Finance Secretary for both TS & AP States Tribal Development Association, TDA- Hyderabad.