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Area of Interest: machine learning, deep learning, android application development, data science, and predictive analytics.

### Journal Publication

- 1.N. M. Dhanya and G. Kousalya, **Adaptive and secure application partitioning for offloading in mobile cloud computing**, in Communications in Computer and Information Science, 2015, vol. 536, pp. 45–53.
- 2.N. M. Dhanya, **Anti-theft vehicle tracking system using GPS and location prediction**, Int. J. Adv. Sci. Eng. Inf. Technol., vol. 8, no. 6, pp. 2584–2589, 2018.
- 3.N. M. Dhanya and G. Kousalya, **The effect of cloudlets in offload- ing application to cloud from mobile devices for energy effi- ciency**, Int. J. Appl. Eng. Res., vol. 10, no. 4, pp. 10041–10054, 2015.
- 4.N. M. Dhanya, T. Senthil Kumar, C. Sujithra, S. Prasanth, and U. K. Shruthi, **Pedagogue: A model for improving core competency level in placement interviews through interactive android ap- plication**, in Advances in Intelligent Systems and Computing, vol. 398, Springer Verlag, 2016, pp. 67–77.
- 5.N. M. Dhanya, G. Kousalya, and P. Balakrishnan, **Dynamic mobile cloud offloading prediction based on statistical regression**, in Journal of Intelligent and Fuzzy Systems, 2017, vol. 32, no. 4, pp. 3081–3089. Sci Indexed - IF - 1.637
- 6.N. M. Dhanya and C. K. Athira, **Three dimensional tagcloud visu- alization for intelligent tourism**, in 2017 4th International Confer- ence on Advanced Computing and Communication Systems, ICACCS 2017, 2017.
- 7.C. R. Athira and N. M. Dhanya, **Three dimensional geo-tweet visu- alization system for spatio-temporal events**, in Proceedings of the 2017 2nd IEEE International Conference on Electrical, Computer and Communication Technologies, ICECCT 2017, 2017.
- 8.N. M. Dhanya and U. C. Harish, **Sentiment analysis of twitter data on demonetization using machine learning techniques**, in Lecture Notes in Computational Vision and Biomechanics, vol. 28, Springer Netherlands, 2018, pp. 227–237.
- 9.S. Veerakumar and N. M. Dhanya, **Performance analysis of various regression algorithms for time series temperature prediction**, J. Adv. Res. Dyn. Control Syst., vol. 10, no. 3 Special Issue, pp. 996–1000, 2018.

10. N. M. Dhanya, G. Kousalya, P. Balarksihnan, and P. Raj, **Fuzzy-logic- based decision engine for offloading iot application using fog computing**, in Handbook of Research on Cloud and Fog Computing Infrastructures for Data Science, IGI Global, 2018, pp. 175–194.
11. N. M. Dhanya and G. Kousalya, **Context aware offloading decision and partitioning in mobile cloud computing**, Asian J. Inf. Tech- nol., vol. 15, no. 13, pp. 2177–2185, 2016.