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Ms. G. Saranya is working as Assistant Professor in the Department of CSE at SRMIST, Ramapuram campus. She is doing a Ph. D degree in the field of Cloud and Edge Computing in SRM Institute of Science and Technology from 2020. She has 10 years of teaching experience with good programming skills. She is a rank holder in M.E (CSE) from Anna University. She is also certified in various courses from Coursera and NPTEL. She has published more than 20 articles in National and International Journals, Conferences and Symposiums.

Area of Research:

Cloud Computing, Artificial Intelligence, Machine Learning

Selected Publications:

1. Saranya, G., Sasikala, E. An efficient computational offloading framework using HAA optimization-based deep reinforcement learning in edge-based cloud computing architecture. *Knowl Inf Syst* 65, 409–433 (2023). <https://doi.org/10.1007/s10115-022-01746-w>
2. G. Saranya, E. Sasikala, “Task sequencing in heterogeneous device for improved offloading decision using optimization technique”, *Measurement: Sensors*, Volume 24, 2022, 100446, ISSN 2665-9174. <https://doi.org/10.1016/j.measen.2022.100446>
3. G. Saranya and E. Sasikala, "Offloading Methodologies for Energy consumption in Mobile Edge Computing," 2021 2nd International Conference on Smart Electronics and Communication (ICOSEC), Trichy, India, 2021, pp. 832-838, doi: 10.1109/ICOSEC51865.2021.9591883
4. G. Saranya and E. Sasikala, "A Deep Reinforcement Learning based policy gradient for Energy Consumption in Edge Computing," 2022 International Conference on Computer, Power and Communications (ICCPC), Chennai, India, 2022, pp. 71-76, doi: 10.1109/ICCPC55978.2022.10072146.

5. G. Saranya, D. Sarkar, S. Ghosh, L. Basu, K. Kumaran and N. Ananthi, "Face Mask Detection using CNN," 2021 10th IEEE International Conference on Communication Systems and Network Technologies (CSNT), Bhopal, India, 2021, pp. 426-431, doi: 10.1109/CSNT51715.2021.9509556.
6. G. Saranya, D. Chandrasekaran, M. D. Sre and M. Sathiyarayanan, "Predicting Abnormal User Behaviour Patterns in Social Media Platforms based on Process Mining," 2023 International Conference on Intelligent and Innovative Technologies in Computing, Electrical and Electronics (IITCEE), Bengaluru, India, 2023, pp. 204-209, doi: 10.1109/IITCEE57236.2023.10091025.
7. K. Kumaran, G. Saranya, V. Subhaa, S. S. Krishna and V. S. Prakash, "Recommender System for E-Commerce Application based on Deep Collaborative Conjunctive Model," 2023 7th International Conference on Computing Methodologies and Communication (ICCMC), Erode, India, 2023, pp. 118-126, doi: 10.1109/ICCMC56507.2023.10083923.
8. Ananthi, N., Kumaran, K., Saranya, G., Khanam, U.K., Raja, K. "Gender neutral smart security device" AIP Conference Proceedings 2405, 030025 (2022) <https://doi.org/10.1063/5.0073017>

Patents:

1. Iot Based Automated Toll Tax Collection System. 32/19012022, Publication Date: 04/02/2022.
2. Multipurpose Smart Helmet. 379301-001, Publication Date:10/02/2023.

Google Scholar:

https://scholar.google.com/citations?user=kalAk_MAAAAJ&hl=en

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