

Dr. S.Revathi

Professor / CSE

B.S.ABDUR RAHMAN CRESCENT INSTITUTE OF SCIENCE & TECHNOLOGY

GST Road, Vandalur, Chennai 600 048. Tamilnadu.

srevathi@crescent.education

Areas of Research Interest

Mobile Ad hoc Network, Internet of Things, Machine Learning and Deep Learning

Publications:

International Journal:

1. Azka and **S.Revathi**, “DDoS Detection and Alleviation in IoT using SDN(SDIoT-DDoS-DA)”, J. Inst. Eng. India Ser. B, <https://doi.org/10.1007/s40031-020-00442-z>, April, 2020.
2. Azka and **S.Revathi** , “Ransomware Protection in IoT Using Software Defined Networking”, International Journal of Electrical and Computer Engineering (IJECE), Vol, 10, No. 3, pp. 3166-3175, June 2020. <http://doi.org/10.11591/ijece.v10i3.pp3166-3175>
3. V.Muthu Priya and **S.Revathi**, “Security Enhanced Location-aided Level-based Disjoint Multipath Routing Algorithm for Mobile Ad Hoc Networks”, CIT. Journal of Computing and Information Technology, Vol. 26, No. 4, December 2018, pp. 251–265 251. <http://cit.fer.hr/index.php/CIT/article/viewFile/4224/2251>
4. D.Menaga and **S.Revathi**, “Least Lion Optimisation Algorithm(LLOA) based secret key generation for privacy preserving association rule hiding”, IET Digital Library, Vol 12, No. 4, pp.332-340, July 2018. <https://digital-library.theiet.org/content/journals/10.1049/iet-ifs.2017.0634>
5. Muthu priya and **S.Revathi**, “Location-Aided Level based Disjoint Mutipath Routing (LLDMR) Algorithm”, Journal of Theoretical and Applied Information technology, Vol. 95, No.23, December 2017. https://www.researchgate.net/publication/321850725_Locationaided_level_based_disjoint_multipath_routing_LLDMR_algorithm
6. Sri Bharathi, Angelina Geetha and **S.Revathi**, “Sentiment Analysis of Twitter and RSS News Feeds and Its Impact on Stock Market Prediction”, International Journal of Intelligent Engineering and Systems”, Vol.10, No.6, Dec, 2017. <http://oaji.net/articles/2017/3603-1512972393.pdf>
7. Subhashini and **S.Revathi**, Hand Gesture Recognition Using Binary Language for Audio Based Communication”, International Journal of Current Engineering and Scientific Research (IJCESR), Vol.4,No.6, 2017. <http://troindia.in/journal/ijcesr/vol4iss6part3/43-49.pdf>

8. S Subburam, **S Revathi**, T Senthilkumaran, A Muruganandham, "Opinion Based Security Using Exponential Smoothing Method in Mobile Ad-Hoc Network" Journal of Computational and Theoretical Nanoscience Vol. 14, No.11, pp.5552-5558, Nov., 2017.
<https://www.ingentaconnect.com/content/asp/jctn/2017/00000014/00000011/art00055;jsessionid=skqf3e88mr9n.x-ic-live-03>
9. Azka , **S. Revathi** and Angelina Geetha, "A survey of Applications and Security issues in Software Defined Networking", Internal Journal Computer Network and Information Security, Vol. 3, pp.21-28, March 2017. – <http://www.mecspress.org/ijcnis/ijcnis-v9-n3/IJCNIS-V9-N3-3.pdf>
10. Azka and **S.Revathi**, "Protocols for Secure Internet of Things", International Journal Education and Management Engineering, Vol.2, pp.20-29, March 2017. – <http://www.mecspress.org/ijeme/ijeme-v7-n2/IJEME-V7-N2-3.pdf>
11. **S.Revathi**, T.Senthil Kumaran, "Dynamically Miticating Flooding Overhead and Automatic Repairing for Mobile Ad hoc Networks,Asian Journal of Applied Sciences, pp. 857-864, Vol. 4, No. 4, August 2016. – <http://ajouronline.com/index.php/AJAS/article/view/3937>
12. Poongothai, M.Mathivanan, T.Senthil Kumaran and **S.Revathi**, "Integrated Cluster-based Rule Induction Mining of Temporal Data for Time – Series Analysis", Indian Journal of Science and Technology, pp. Vol. 9, No. 47, December 2016.
https://www.researchgate.net/publication/312471553_Integrated_Cluster-based_Rule_Induction_Mining_of_Temporal_Data_for_Time-Series_Analysis
13. Subburam, T.Senthil Kumaran, **S.Revathi** and M.Mathivanan, "An innovative Design Approach to control over Ad hoc Networks", Circuits and Systems, pp. 971-982, Vol.7, May 2016.
<https://www.scirp.org/journal/PaperInformation.aspx?PaperID=66627>
14. Udhaya Sandhya and **S.Revathi**, "Text Mining using Side information from Twitter Tweets", International Journal of Science, Engineering and Technology Research, pp. 1219-1225, Vol. 5, No.4, April, 2016 – <http://ijsetr.org/wp-content/uploads/2016/04/IJSETR-VOL-5-ISSUE-4-1219-1225.pdf>
15. **S.Revathi** and Dr.T.R.Rangaswamy, " Secure Route Discovery using Opinion Based Method in MANET", International Journal of Computer Networks and Wireless Communications(IJCNWC), pp.442-446, Vol.5, No.1., 2015. – <http://scialert.net/fulltext/?doi=ajsr.2014.102.109&org=11>
16. Jaffer and **S.Revathi**, "Efficient Quality Trust based Routing algorithm to enhance the security in MANET", Vol.13, No.4, March 2015. – <http://www.ijetcse.com/wp-content/plugins/ijetcse/file/upload/docx/661EFFICIENT-QUALITY-TRUST-BASED-ROUTING-ALGORITHM-TO-ENHANCE-SECURITY-IN-MANET-pdf.pdf>

17. **S.Revathi** and Dr.T.R.Rangaswamy, "Efficient Flooding and Local Route Repair using Stable Connected Dominating Set for Mobile Ad hoc Networks", Asian Journal of Scientific Research, pp.102-109, 2014. – <http://scialert.net/fulltext/?doi=ajsr.2014.102.109&org=11>
18. **S.Revathi** and Dr.T.R.Rangaswamy, "Dynamic Route Shorting and Route Repairing Mechanism for Mobile Ad hoc Networks", Journal of Computer Science, pp.1212-1218, 2012. <https://www.semanticscholar.org/paper/Dynamic-Route-Shortening-and-Route-Repairing-for-Ad-Revathi-Rangaswamy/d39553a7bef6f287c6ad55c480b422d17877a87b>
19. **S.Revathi** and Dr.T.R.Rangaswamy, "Secured Optimal Adaptable Ad-Hoc Routing Protocol in MANET", European Journal of Scientific Research, pp.62-72, 2012. https://www.researchgate.net/publication/266223398_Secured_optimal_adaptable_Ad-hoc_routing_protocol_in_MANET#fullTextFileContent
20. Nehru P., **S.Revathi**, "Automatic Human Emotion Recognition using Particle Swarm Optimization based Facial Action Coding System", International Journal: Global Journal for Research Analysis, pp.72-76, 2012.
21. Menaga D and **S.Revathi**, "Deep Learning: A Recent Computing Platform for Multimedia Information Retrieval", IGI Global.2020, igi-global.com/chapter/deep-learning/240339?camid=4v1
22. Azka and **S.Revathi**, "Analyzing Threats of IoT Networks Using SDN Based Intrusion Detection System (SDIoT-IDS)", Springer Nature Singapore Pte Ltd., pp. 536–542, 2018.

International Conferences:

1. Akila and **S.Revathi**, "Text Mining of user reviews to predict sentiment using Machine Learning", International Conference on Research advancement and challenges in Engineering Sciences, (ICRACE'20) , 6th – 7th March 2020.
2. Regina and **S.Revathi**, "Machine Learning Algorithms for predicting stock market daily returns", International Conference on Research advancement and challenges in Engineering Sciences, (ICRACE'20) , 6th – 7th March 2020.
3. Menaga and **S.Revathi**, "Probabilistic Principal Component Analysis based Dimentionality Reduction and Deep Learning for Cancer Classification", 5th International Conference on Intelligent Computing and Applications (ICICA-2019) held at Department of Computer Science & Engineering, SRM Institute of Science and Technology, Delhi-NCR Campus, Ghaziabad-201204 on 06th – 07th December 2019.
4. Azka and **S.Revathi**, " A software Defined Networking Model for ensuring end-to-end security in IoT(SDN-SIoT)", ICKSSD, Guru Gobind Singh Indraprastha University, Delhi, 2019.

5. Menaga and **S.Revathi** , “Privacy Preserving using Bio Inspired Algorithms for Data Sanitization”, International Conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC), 28th – 29th January 2018 at Priyadharshini Engineering College, India
6. Azka and **S.Revathi**, “Analyzing Threats of IoT networks Using SDN based Intrusion Detection System (SDIoT-IDS)”, 3rd International Conference on Next Generation Computing Technologies (NGCT 2017), 30th – 31st Oct 2017 at University of Petroleum and Energy Studies, Dehradun, India.
7. V.Muthu Priya and **S.Revathi**, “ Secure Location Aided Routing (SLAR)”, in IEEE International conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI) organized by Saveetha Engineering college during 21st and 22nd September 2017.
8. Jaffer and **S.Revathi**, “Efficient Quality Trust based Routing Algorithm to enhance security in MANET”, International Conference on advances in Emerging Technology 2015, ICAET 2015, March 2015.
9. Hema, Lavanya & **S.Revathi**, “Data Reduction using Similarity Estimation in Big Data”, “5th International Conference on Science and Innovation Engineering, April 2015.
10. Y.Raseena and **S.Revathi**, “ Anchor based Service Discovery and Reservation system in MANET”, Proceedings of National Conference on Advance Computing Systems: NCASCS '12, 2012.
11. E.Anbu Subbaiyan and **S.Revathi**, “Service handoff in Mobile Ad hoc Networks”, Conference on Futuristic and Advanced Computing Technologies, March 2012.
12. **S.Revathi** and Dr.T.R.Rangaswamy, “Efficient Route Discovery using Stable Connected Dominating Set for Mobile Ad Hoc Networks”, pp.763-767, IEEE Conference, 2012 World Congress on Information and Communication Technologies.