


SRI SAI RAM ENGINEERING COLLEGE,CHENNAI-44

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Name & Photo :	D.SATHISH KUMAR 
Designation:	Associate Professor
Qualification :	M.TECH (IT), (Ph.D)
Area of Specialization :	Machine Learning Mobile Computing Sensor Network
Experience :	Teaching: 21.04 Years
	Industry : Nil
Publication :	Journal : 06 Conference : 14 Books : 02 Book Chapter : 03
Society Membership :	<input type="checkbox"/> Institute of Electrical and Electronics Engineering (IEEE) Member Ship <input type="checkbox"/> Lifetime Membership in Indian Society for Technical Education (ISTE) <input type="checkbox"/> Lifetime Membership in International Association of Engineers (IAENG)
Staff Achievements:	<input type="checkbox"/> Completed NPTEL Domain Certificate <input type="checkbox"/> Certified Oracle - Java Trainer <input type="checkbox"/> Received Best Teacher Award from IEI <input type="checkbox"/> Published 2 Books and 3 Book Chapters. <input type="checkbox"/> Published 20 articles in Reputed Journals. <input type="checkbox"/> Filed 5 number of Patents <input type="checkbox"/> Reviewer in IEEE conference <input type="checkbox"/> Completed all 8 modules in NITTTR. <input type="checkbox"/> Completed SIRD 3 months certification course

Professional Experience:

Sl. No	College / Organization	Designation	Period		Total
			From	To	
1	T.J.Institute of Technology	Lecturer	Aug 2004	May 2005	10 Months
2	Agni College of Technology	Assistant Professor	June 2005	May 2013	8 years
3	Sri Sai Ram Engineering College, Chennai	Assistant Professor-II	June 2013	Till Date	12.9 Years
Total Years of Experience					21.7 Years

Paper Publications:

1. Dhanapal, Sathish Kumar & Thenmozhi, R.. (2024). OHRDBN: An optimized hybrid model of RBF and DBN for obstacle-aware routing with optimal path selection in VANET sector. *International Journal of Communication Systems*. 37. 10.1002/dac.5713.
2. Dhanapal, Sathish Kumar & Thenmozhi, R. (2025). AI-Driven TrafNet-DCMCRP for Congestion-Aware Routing and Traffic Management in VANETs. 10.22266/ijies2025.0630.20.
3. S. Gurusubramani, P. B, S. D, P. S and D. S. Kumar, "Brain Tumor Segmentation Using Image Processing In MRI," *2024 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS)*, Chennai, India, 2024, pp. 1-4, doi: 10.1109/ICPECTS62210.2024.10780067.
4. Published paper titled "Wireless networks in providing extraordinary quality of experience for camera consumers" *AIP Conference Proceedings* 2523, 020068 (2023); <https://doi.org/10.1063/5.0110839> Published Online: 30 January 2023
5. Published paper titled "Disease Detection Based on Nail Color Analysis Using Image Processing" *2022 1st International Conference on Computational Science and Technology (ICCST) | 2022 IEEE | DOI: 10.1109/ICCST55948.2022.10040425*
6. Published paper titled "Delay and Non Delay Tolerant Hybrid Routing Protocols in VANET" *1st International Conference on Computational Science and Technology (ICCST) | 978-1-6654-7655-3/22/\$31.00 ©2022 IEEE | DOI: 10.1109/ICCST55948.2022.10040272*
7. Published paper titled "Health Care Assistive System in Hospital for Doctor to View the Patient's Parameter in a Cloud Database using Light Fidelity" *2022 Sixth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC) | 978-1-6654-6941-8/22/\$31.00 ©2022 IEEE | DOI: 10.1109/I-SMAC55078.2022.9987390*
8. Published paper titled "Real Time Automation of Agriculture Environment for Indian Agricultural System using IoT" *International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES) | ©2022 IEEE | DOI: 10.1109/ICSES55317.2022.9914154*

9. Published paper titled “ Context Aware Attention Learning For Person Re-Identification - A Data Driven Approach” 2nd International Conference on Artificial Intelligence and Signal Processing (AISP) | 2022 IEEE | DOI: 10.1109/AISP53593.2022.9760563
10. Published paper titled “ Analysis and Prediction of Stock Price Using Hybridization of SARIMA and XGBoost” in IEEE International Conference on Communication, Computing and Internet of Things (IC3IoT©2022 IEEE | DOI: 10.1109/IC3IOT53935.2022.9767868
11. Published paper titled “Resume Validation and Filtration using NLP” – IEEE Xplore Digital Library,[10.1109/IEMECON53809.2021.9689075](https://doi.org/10.1109/IEMECON53809.2021.9689075),
12. Published paper titled “Whether Based Crop Selection and Processing for Smart Agriculture Using Machine Learning Techniques” – International Journal of Modern Agriculture, ISSN: 2305-7246, Volume – 10 , ISSUE-01,u 20Science)
13. Published paper titled “Real-Time Stock Market Prediction Based On Social Sentiment Analysis Using Machine Learning ”Ilkogretim Online - Elementary Education Online, 2020; Vol 19 (Issue 3): pp. 4329-4334, doi: 10.17051/ilkonline.2020.03.735584 (UGC Journal)
14. Published paper titled “Smart Parking System Using Internet Of Things ”Ilkogretim Online - Elementary Education Online, 2020; Vol 19 (Issue 3): pp. 4559-4569 <http://ilkogretim-online.org> doi: 10.17051/ilkonline.2020.03.735608 (UGC Journal)
15. Published paper titled “Violence Detection and Target Finding using Computer Vision” – International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249-8958, Volume – 9 , ISSUE -1S, October 2019(Scopus Indexed).
16. Published paper titled “I – Voting on cloud frame work” – International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249-8958, Volume – 9 , ISSUE -1S, October 2019(Scopus Indexed).
17. Published paper titled “Graphical Image Based Password Authentication System” – International Journal of Research and Analytical Reviews E-ISSN: 2348-1269,P-ISSN 2349-5138 Volume – 6 , ISSUE - 2, May 2019 (UGC Journal)
18. Published paper titled “Energy-Efficient and Corrective Algorithm for Improving Stability in Wireless Sensor Networks” , Indian Journal of Public Health Research and Development (IJPHRD), Volume 9,Issue 2, Feb 2018. (Scopus Indexed).
19. Published paper titled “Reliable Link and Mobile-Based Optimized Routing Scheme for MANETS ” , Indian Journal of Public Health Research and Development (IJPHRD), Volume 9,Issue 2, Feb 2018. (Scopus Indexed).
20. Published paper titled “Anonymous Location-Support and Self-Reliance Routing Protocol For MANETS ” , Indian Journal of Public Health Research and Development (IJPHRD), Volume 9,Issue 2, Feb 2018. (Scopus Indexed).

Books Published:

- Published a Book titled "Mobile Computing", CBA Publishers, 2021 Edition, ISBN: 9789380430607.
- Published a Book Chapter titled "A Machine Learning Approach for Providing Location Aware Services in Mobile Ad-Hoc Networks", Immortal Publications, 2021, ISBN: 9789354377211.
- Published a Book Chapter titled "Artificial Intelligence of Things", Technical Research Publications, 2020, ISBN: 9789354192111.
- Published a Book titled "Object Oriented Analysis and Design", SIA Publication, 2019 Edition

Patent:

1. Filed a Patent "Design an IoT-driven system uses deep learning for wind-induced pressure prediction on tall buildings", on Aug 2022, Application No: 202241044519.
2. Filed a Patent "IoT Based Smart E-Meter", on April 2021, Application No: 202041018332.
3. Filed a Patent "Voice Based Alerting and Assisting Tool for Visually Challenged", on Feb 2021, Application No: 202141005842.
4. Filed a Patent "Smart Vehicle Locking and Theft Identification System", on December 2020, Application No: 202041054167.
5. Filed a Patent "Emotion Recognition Assistance for fitness Blinders uses MEL Frequency Cepstral Coefficient ", on December 2020, Application No: 202041056021.

