

**Ms. S. Aarathi, M.E., (Ph.D.),**  
**Assistant Professor,**  
**Department of CSE, CET, SRMIST,**  
**Ramapuram Campus, Chennai.**  
**Mail id: aarthis1@srmist.edu.in**



**Ms.S.Aarathi** is working as Assistant Professor in the Department of CSE at SRMIST, Ramapuram campus. She is doing Ph. D degree in the field of Internet of Vehicles from SRM Institute of Science and Technology from 2020. She has 12 years of teaching experience with good programming skills. She is also certified in various courses from Coursera and NPTEL. She has published many articles in National and International Journals, Conferences and Symposiums.

**Area of Research:**

Internet of Vehicle, Vehicular Ad-Hoc Networks(VANET), Internet of Things

**Selected Publications:**

1. Simplifying learning experience on a personalized content recommendation system for complex text material in e-learning Angeline, R., Aarathi, S., Jain, R., Regin, R. *Advanced Applications of Generative AI and Natural Language Processing Models*, 2023, pp. 108–123
2. Dynamic intelligence-driven engineering flooding attack prediction using ensemble learning Angeline, R., Aarathi, S., Regin, R., Rajest, S.S., *Advances in Artificial and Human Intelligence in the Modern Era*, 2023, pp. 109–124
3. A unified predictability for bot attack on IoT devices and its platforms Aarathi, S., Krishna, A.V., Prasad, M.H., Nithish, M.S. *AIP Conference Proceedings*, 2022, 2405, 030017
4. Analysis of security and privacy issues over vehicular communication in Internet of Vehicles Aarathi, S., Bharathi, N. *2022 International Mobile and Embedded Technology Conference, MECON 2022*, 2022, pp. 500–505
5. Railway Surface Crack Detection System Based on Intensity Loss of UV Radiation

Aarathi, S., Mohan, A., Karthik, P., Thakur, A. Lecture Notes on Data Engineering and Communications Technologies-2020, 31, pp. 140–146

6. Sentimental data analysis for prediction of public reaction using hadoop framework  
Agarwal, A., Chaturvedi, A., Singh, P., Aarathi, S. International Journal of Engineering and Advanced Technology, 2019, 8(5), pp. 252–255

7. Crime hotspot detection with clustering algorithm using data mining Aarathi, S., Samyuktha, M., Sahana, M. Proceedings of the International Conference on Trends in Electronics and Informatics, ICOEI 2019, 2019, 2019-April, pp. 401–405

8. Post-graduate college admission recommender using data analytics Aarathi, S., Sarvathanayan, M., Prithvi Kumar, B., Rakesh, G.S. International Journal of Innovative Technology and Exploring Engineering, 2019, 8(6), pp. 840–842

9. Traffic signal violation detection and penalty application system Parameswaran, A., Roy, D., Jauhari, T., Aarathi, S. International Journal of Innovative Technology and Exploring Engineering, 2019, 8(6), pp. 903–907

10. Legal Files Management System Using Big Data Aarathi, S., Siddharth, S., Athreya, V., Balaji, P. Proceedings of the 3rd International Conference on Communication and Electronics Systems, ICCES 2018, 2018, pp. 979–983, 8723904

#### **Patents:**

1. Smart intrusion detection system for network security situational awareness,  
Publication Date: 27/05/2022

2. IOT BASED AUTOMATED RAIL TRACK INSPECTION TROLLEY,  
Publication Date: 02/03/2023

**ORCID: 0000-0002-8420-3184**

**SCOPUS: 36068980000**