

<b>Name:</b>	 Ms. G. SATHYADEVI		
<b>Designation:</b>	Assistant Professor / CSE (AI&ML)		
<b>Qualification:</b>	B.E.,M.E., (Ph.D)		
<b>Area of specialization:</b>	Computer Networks, Machine Learning, Cyber Security		
<b>Experience : (As on May 2020)</b>	<b>Industrial</b>	<b>Research</b>	<b>Teaching Experience</b>
	1 Year 6 Months	-	5 Years
<b>Number of workshop / FDP attended:</b>	<b>Number of Workshops</b>		<b>Number of FDPs</b>
	6		18
<b>Publications:</b>	<b>Conference</b>		<b>Journal</b>
	<b>National</b>	<b>International</b>	<b>National</b>
	1	5	-
<b>Patents:</b>	<b>National</b>		<b>International</b>
	4		-
<b>Professional Body Membership:</b>	<ul style="list-style-type: none"> <li>Life member in THE INDIAN SOCIETY FOR TECHNICAL EDUCATION (ISTE) – LM 86501</li> <li>Annual member, Institute of Electrical and Electronics Engineers (IEEE) with 5 societies</li> <li>Member of National Digital Library of India (NDLI)</li> </ul>		
<b>Achievements:</b>	<ul style="list-style-type: none"> <li>Received an appreciation award for achieving 100% result in the subject “C# and .NET”.</li> <li>Achieved 99% pass percentage in the subject “Computer Networks”.</li> <li>Presented a Technical Talk on “Ransomware Attacks “on behalf of Students and Staff members / Department of IT</li> <li>University first Rank holder in the Department of CSE during the academic year 2010-11, Anna University of Technology, Tiruchirappalli.</li> <li>Secured Department TOPPER in III to VII semesters of UG.</li> <li>Won District first in Matriculation public Examinations.</li> <li>Recognized as a Reviewer in the 2025 First International Conference on Advances in Computer Science, Electrical, Electronics and Communication Technologies (CE2CT -2025) organized by Graphic Era Hill University, Bhimtal Campus, Bhimtal, India on 21<sup>st</sup>-22<sup>nd</sup> February 2025.</li> <li>Participated as Session Chair in an International Conference on Computation Intelligence &amp; Communication Network (ICCICN – 2024) on 13<sup>th</sup> April 2024.</li> </ul>		

### Publication in Book Chapters:

1. G.Sathyadevi, Sethu Sridharan, Dharshaan, Dharun Kumar, “**Various Methods of Injection Attacks**”, Scopus Indexed journal under CSI Region 7, on “International Conference on Next-Gen Technologies in Computational Intelligence (NGTCA – 2023)”
2. G.Sathyadevi , Yokash, Sri Pillaiyar Santosh, Nandha Kumar, “**Securing Wireless Communication in Cyber- Physical System and IOT**” , Scopus Indexed journal under CSI Region 7, on “International Conference on Next-Gen Technologies in Computational Intelligence (NGTCA – 2023)” DOI: <https://doi.org/10.1201/9781003430452>  
eBook ISBN: 9781003430452 Subjects: Computer Science, Engineering & Technology.

### Publication in Journals:

1. Karthik Sundar C, Hitheash D and Sathyadevi G “**Dynamic Gesture Recognition using LSTM and Tf-Pose Action Analysis**”, Proceedings of the International Conference on Sustainability Innovation in Computing and (ICSICE 24),Advances in Computer Science Research 120,  
[https://doi.org/10.2991/978-94-6463-718-2\\_123](https://doi.org/10.2991/978-94-6463-718-2_123)
2. G. Sathyadevi, J. Abishek and B. S. Shakthieswaran, "DynaShield:Android Malware Detection Using Dynamic Analysis of Network Traffic," *2024 International Conference on System, Computation, Automation and Networking (ICSCAN)*, PUDUCHERRY, India, 2024, pp. 1-6, doi: 10.1109/ICSCAN62807.2024.10894660.  
URL: <https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=10894660&isnumber=10893901>,  
<https://ieeexplore.ieee.org/document/10894660>
3. G.Sathyadevi and D.Senthil Kumar, “**A Decision Support System for Medical Diagnosis Using Data Mining**”, International Journal of Computer Science Issues (IJCSI) Issue 3, vol.8 May 2011 (147-153) with an impact factor of 0.25.
4. G. Sathyadevi, “**Application of CART Algorithm in Hepatitis Disease Diagnosis**” published in “International Conference on Recent Trends in Information Technology, ICRTIT 2011” Conference paper DOI: 10.1109/ICRTIT.2011.5972349 with  
EID: 2-s2.0-80052190993 as Part of ISBN: 9781457705885  
<https://ieeexplore.ieee.org/document/5972349>
5. G. Sathyadevi, Anusha s, “**Next-Gen Gaming: Enhancing Immersion Through Motion Sensing and Gesture Controls**”, published in **Grenze International Journal of Engineering and Technology** with Grenze ID: 01.GIJET.11.1.129\_1 and Page(s) : 2977-2981.

### **Publication in Conferences:**

1. Sathyadevi G, “A Data-Driven Approach to Customer Churn Prediction in Banking: A Comparative Study of Machine Learning Techniques” presented at 2026 IEEE International Conference on Emerging Computing and Intelligent Technologies (ICoECIT) on Jan 2026
2. Sathyadevi G, “Emerging Cyber Security Threats in the UK Retail Sector: A Wake-up Call for Human-Centric Cyber Resilience”, 7th IEEE International Conference on Cybernetics, Cognition and Machine Learning Applications (ICCCMLA 2025) on November 1 & 2, 2025 organized by IEEE Germany Section.
3. A Paper on “Estimation of Skeletal Maturity Using Carpal ROI Analysis ” published in the proceedings of the International conference ICRDPET 2013 at E.G.S.Pillay Engineering College, Nagapattinam on 29th March 2013 with ISBN: 978-1-4673-4948-2 IEEE VOL.4
4. Presented a Paper entitled “Application of CART Algorithm in Hepatitis Disease Diagnosis” at MIT, Chennai and published in ICRTIT 2011 on 3rd June 2011 DOI:10.1109/ICRTIT.2011.5972349
5. A Paper on “The Active Learning with Dynamic Queries Using CART algorithm- Data Mining”, ICICES 2011 at S.A. Engineering College, Chennai on 23rd Feb. 2011.
6. G.Sathyadevi and R.Valampuranayaki, “Bone age assessment using Carpal ROI analysis”, RTSIP’12, at AVC College of Engineering on 14th sep 2012.

### **Patents Details:**

1. Published a patent on the topic “ Advanced Machine Learning Models for Predicting Electric Vehicle Sales Considering Energy Demands” on 17/01/2025
2. Published a patent on the topic “ AI-Driven Dynamic Prediction System For Stock Market Trends Using Multimodal Data And Adaptive Machine Learning Models” on 17/01/2025
3. Published a patent on the topic “ A Predictive Machine Learning Framework For Enhancing Sales through Customer Behaviour Analysis in E-Commerce” on 4/10/2024
4. Published a patent on the topic “Personalized User Experience: Building Recommendation Systems With Machine Learning” on 12/04/2024

### **FDP / Seminar/ Workshop Attended**

1. Attended six- day FDP on AI and Machine Learning Applications in Cyber Security conducted by Department of CSE (Cyber Security), Sri Sairam Engineering College held from 15.12.2025 to 20.12.2025
2. Participated in FDP on Professional Growth in Entrepreneurship Education and Development in Higher Education organized by Wadhwani Foundation
3. Attended six- day FDP on AI Powered Edge Computing For IOT Applications organized by Department of CSE (IOT), Sri Sairam Engineering College from 23.06.2025 to 28.06.2025
4. Participated in FDP Automation Tools For AI conducted by Department of AI &DS and CSE ( AI & ML), Sri Sairam Engineering College from 7.07.2025 to 12.07.2025
5. Attended six- day ATAL FDP on AI-driven Innovations: Transforming Core Engineering Disciplines organized by Sri Sivasubramaniya Nadar college of Engineering held from 20.01.2025 to 25.01.2025
6. Attended Five- day FDP on AI Insights: Predictive Power of ML, DL & NLP organized by Sphoorthy Engineering College held from 14.05.2024 to 18.05.2024
7. Completed the FDP course on “Inculcating Universal Human Values in Technical Education” organized by AICTE from 18.12.2023 to 22.12.2023
8. Attended six- day FDP on Emerging Trends in Artificial Intelligence and Deep Learning organized by Sri Sai Ram Institute of Technology held from 26.12.2023 to 30.12.2023.
9. Participated in FDP Stress Management organized by ICT Academy from 27.11.2023 to 1.12.2023
10. Participated in FDP on Educators: Harnessing the power of Machine Learning conducted by Jeppiaar Institute of Technology from 25.09.2024 to 1.10.2024
11. Participated in “A Two-day workshop on C# and .Net Framework” held at Kongu Engineering College, Erode
12. Participated in “one-day workshop on Psychometrics” held at AVC College of Engineering, Mayiladuthurai
13. Participated in “Network Protocols and Android” held at AVC College of Engineering, Mayiladuthurai

14. Participated in National Level Training Program “Certificate in DOTNET programming” conducted by ICTACT Academy at Mayilam Engineering college, Villupuram
15. Participated in FDP “Mind without Fear” organized by the Centre for Anna university Chennai
16. Participated in “ISTE STUDENTS CHAPTER” CONTEST “8085- Microprocessor Programming”
17. Attended the seminar on ORACLE’ Technology held at Sankara College Campus, Coimbatore
18. Participated in National Level workshop “Recent Approach in MATLAB for control Systems and signal processing Applications” held at AVC College of Engineering, Mayiladuthurai
19. Participated in the seminar on “Guru - An Introspection“ held at AVC College of Engineering, Mayiladuthurai
20. Participated in the exhibition of “INNOVAUTT” with a Project Title / model “ A Remote to Our PC”
21. Participated in National Level Wokshop “Software Testing Methodologies” held at Anna University, Tiruchirappalli.
22. Participated in “Three Day Entrepreneurship Awareness Camp” held at Coimbatore Institute Of Engineering & Information Technology, Coimbatore
23. Participated in the “ Yogathon Spirit of Yoga Challenge” and Completed 12 rounds of Surya Namaskar on World Health Day, 2012.
24. Participated in National Level Seminar on “Quality Enhancement Sustenance Measures in Higher Education: Innovation, Trends and Challenges“organized by IQAC Cell – SRM Valliammai Engineering College and sponsored by NAAC
25. Attended Faculty Training Program on “Big Data Analytics” conducted by “Tamil Nadu skill Development Corporation - Naan Mudhalvan “jointly with Veranda and Edureka
26. Participated in Professional Development Program @ NITTTR , Chennai through online mode titled “Arduino Programming using Tinkercad”