

BIODATA



Name : **Dr.MAREESWARI G**

Designation : Assistant Professor

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1. Educational Qualification

Degree	Branch/Specialization	Institute/University	Year of Passing
B.E.	Computer Science and Engineering	PSR Rengasamy college of Engineering for women, Sivakasi, Affiliated under Anna University, Chennai.	2012
M.E	Computer Science and Engineering	PSR Engineering College, Sivakasi, Anna University, Chennai.	2014
Ph.D	Information and Communication Engineering	Anna University, Chennai	2026

2. Professional/Industry Experience (in chronological order) (9.4 Years)

S.No	Designation	Institution/Organization	Period	
			From	To
1.	Assistant Professor	Ramco Institute of Technology, Rajapalayam	28.07.2022	Till date
2.	Assistant Professor	National Engineering College, Kovilpatti..	02.03.2022	30.06.2022
3.	Assistant Professor	V.P. Muthaiah Pillai, Meenakshi Ammal Engineering College for Women, Krishnankoil, Srivilliputtur.	01.09.2014	18.11.2019

3. Research Interest

Mobile Computing, Edge Computing, Data Mining.

4 Publications

4.1. PATENT PUBLISHED & GRANTED

- Dr. S. Senthilkumar, Mr. M. G. Santhosh Raja, **Mrs. G.Mareeswari, Ms. Aswani Kumar Unnam, Dr. T. Balachander, Dr. Jogendra Kumar, Dr. S. Aravindh, Dr. R. Deepa** ,“ Dynamic Resource Allocation for IoT Applications Through AI- Enabled Cloud Systems for Efficient energy management in smart homes”, **Application No.** 202541008041, India, **Date of Publication:** 07.02.2025. **Status:** Published.
- Dr. K. Vijayalakshmi, Dr. S. Erana Veerappa Dinesh, **Mrs. G. Mareeswari**, Mrs. B. Vijayalakshmi, Mr. R. Dhamoetharan “Machine Learning Based Self Assist System For Visually Impaired Person”, **Application No.** 202241071461, India, **Date of Publication:**30.12.2022. **Status:** Published.
- Dr. C. Balasubramanian, Dr. S. Erana Veerappa Dinesh, Dr. P. Pitchipoo, Dr. K. Valarmathi, Dr. A. Ramathilagam, Ms. R. Ramani, Mr. P. Thiruselvan, **Mrs. G. Mareeswari**,“Efficient Priority Based Task Scheduling In Vehicular Cloud Computing”, **Application No.**202141046459, India, **Date of Publication:**19.11.2021.**Status:**Published.

4.2. JOURNAL PUBLICATIONS

- Mareeswari, G., Balasubramanian, C. An Intelligent Task Offloading and Data Caching Framework for Mobile Edge Computing Using Bi-LSTM and ODQN. Iran J Sci Technol Trans Electr Eng (2026). <https://doi.org/10.1007/s40998-026-01048-9>
- Mareeswari Ganesan, Balasubramanian Chelliah, Optimizing Task Offloading and Resource Management in 6G Networks Through a Hierarchical Edge-Fog-Cloud Architecture. International Journal of Communication Systems (2025), 38(8), <https://doi.org/10.1002/dac.70102>
- **Mareeswari G**, Anusuya V, ‘Accumulative Privacy Preserving Data Mining Using Gaussian Noise Data Perturbation at Multilevel Trust’, International Journal of Innovative Research in Computer and Communication Engineering, Vol 2, No. 1, pp. 1934-1941.
- **Mareeswari G**, Vaishnavi S, ‘A Novel Local Global Specialized Descriptor for Feature Detection in Content Based Image Retrieval’, International Journal of Innovative Research in Computer and Communication Engineering, Vol 3, No 3, pp.3478-3483.

4.3 CONFERENCE PUBLICATIONS

- **Dr. Mareeswari G**, UAV – Based Crop yield prediction using YOLO and LightGBM, International Conference on Computational Innovations and Emerging Trends, School of Computing, Mohan Babu University, Tirupati, in association with CRC Press, Tayler & Francis Group during 17-18 April 2026.
- Mr. Harikrishnan K, **Dr. G. Mareeswari**, Mr. Praveen Kumar R, TraceVision AI: Intelligent Identification of persons in Video Streams using Deep Learning, National Conference on Current Trends in Engineering and Technology – CTET 2026, AKshaya College of Engineering and Technology, Coimbatore, 10 April 2026.
- **Mrs. G. Mareeswari**, Mr. Suresh R, Mr. Mathivanan. M, Mr. Zainudeen S, Core-Set Based Active Learning for Efficient Deep Neural Network Training, International Conference on Deep Tech and Sustainable Engineering Solution (ICoDSES'26), National Engineering College, 26-27 March 2026.
- **Dr. G. Mareeswari**, Ms. Ananthi. P, Ms. Nandhini. S, Ms. Nisha G, Privacy- Preserving Alzheimer's Disease Prediction Through Federated Learning on Multimodal Data, 14th International Conference on Contemporary Engineering and Technology, Prince Shri Venkateshwara Padmavathy Engineering College, 22-23 March 2026.
- R Chandralekha, M Sanmuga Priya, D Selvathi, G Subhashini, K Amsaveni, **G Mareeswari**, Alzheimer's Disease Detection Using Deep Learning: A Googlenet-Based Classification Framework, 2025 9th International Conference on Inventive Systems and Control (ICISC), published on 2025/8/12 IEEE publication, pg no. 601-605
- **G. Mareeswari**, Alzheimer's Disease Classification with Deep Learning Techniques, International Conference on Information and Communication Systems(ICICS 2025) organized by Vidyavardhaka College of Engineering, during 4th – 5th 2025.
- **G. Mareeswari** and E. V. Dinesh, "Deep Neural Networks based Detection and Analysis of Fake Tweets," 2023 4th International Conference on Signal Processing and Communication (ICSPC), Coimbatore, India, 2023, pp. 56-61, DOI: 10.1109/ICSPC57692.2023.10125815.
- **G. Mareeswari** and Sangeetha. P, Deep Learning Based Intrusion Detection System, International Conference on Innovative Engineering and Information Technology organized by Sri Sai Ranganathan Engineering College, Chennai during April 28th & 29th,2023
- Vivekrabinson K, Bharath Singh J, Ragavan K, Joshua Kumaresan S, Erana Veerappa Dinesh S, and **Mareeswari G**, Multi-Stroke Handwriting Character Recognition and Enhancing Proficiency with CNN: A Touch-Based Writing Approach, 2023 International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering (RMKMATE), chennai, India, DOI: 10.1109/RMKMATE59243.2023.10369098.

- **Mareeswari G** Presented a paper entitled ‘**Anonymization on Privacy Preserving Sensitive Transactional Data**’, in the 4th National Conference on Computing and Communication Technologies at Surya Engineering College. (Paper ID: N3CT-2012)
- **Mareeswari G** Presented a paper entitled ‘**Accumulative Privacy Preserving Data Mining Using Gaussian Noise Data Perturbation at Multilevel Trust**’ in the International Conference on Global Innovations in Computing Technology in Jay Shriram Group of Institutions in association with St. Francis Xavier University, Canada on 6,7th March 2014.
- **Mareeswari G** Presented a paper entitled ‘**Cloud Computing**’ organized by Intra college technical symposium at P.S.R.Rengasamy college of Engineering for women.
- **Mareeswari G** Presented a paper entitled ‘**Sentiment Analysis on reviews of Mobile Users**’ organized by National level technical symposium at TejaaShakthi Institute of Technology for Women.
- **Mareeswari G** Presented a paper entitled ‘**Eyeris Emotion Recognition in Image Processing**’ in National Conference on Management Practices at Cross Roads : Challenges and Opportunities at Kongu Engineering College.

5. Short term Courses/ Seminars/FDP/Workshop/ConferenceAttended:

Sl.No	Title of the event	Organized by	Date	
			From	To
1.	Programming, Data Structures and Algorithms Using Python	NPTEL, IITM	Jan 2026	March 2026
2.	FDP on Programming, Data Structures and Algorithms Using Python	NPTEL, IITM	Jan 2026	March 2026
3.	FDP on Mobile Malware Detection and Forensics	I.K.Gujral Punjab Technical University	08.12.2025	12.12.2025
4.	FDP on DL insights: Image, Signal and Language Dimensions		01.12.2025	05.12.2025
5.	FDP on Deep Learning offered by NPTEL, IITM	NPTEL, IITM	July 2025	October 2025
6.	FDP on Artificial Intelligence: Search Methods for Problem Solving offered by NPTEL, IITM	NPTEL, IITM	July 2025	October 2025
7.	International Conference on Inventive Systems and Control (ICISC 2025)	JCT College of Engineering and Technology, Coimbatore	12.08.2025	13.08.2025

8.	Seminar on AI-Driven Cryptography: Building Next-Gen Secure Networks	Sri Krishna College of Technology, Chennai	14.07.2025	15.07.2025
9.	FDP on Introduction to Machine Learning offered by NPTEL, IITM	NPTEL, IITM	Jan 2025	March 2025
10.	Two days National Level Capacity Building Programme on Collaborative Innovation: How Multidisciplinary Research is Shaping the Future	Central Library, Ramco Institute of Technology	28.03.2025	29.03.2025
11.	FDP on Data Science for Engineers offered by NPTEL, IITM	NPTEL, IITM	Jan 2025	March 2025
12.	FDP on Cloud Computing & AI Integration	Sathyabama Institute of Science and Technology	10.02.2025	14.02.2025
13.	International Conference on Information and Communication Systems (ICICS-2025)	Vidyavardhaka College of Engineering, Mysore	04.02.2025	05.02.2025
14.	FDP on Research Avenues in Artificial Intelligence, Data Analytics, Generative AI and LLM	Mepco Schlenk Engineering College, Sivakasi.	20.01.2025	24.01.2025
15.	FDP on Recent trends in 5G/6G Wireless Communication	Samskruti College of Engineering and Technology	06.01.2025	11.01.2025
16.	FDP on A step by step guide to write a Good Research Paper	Research Foundation of India	19.12.2024	30.12.2024
17.	Seminar on R&D Conclave 2024	Ramco Institute of Technology	26.12.2024	26.12.2024
18.	FDP on AI-Driven Solutions For Modern Cybersecurity Challenges	Ramco Institute of Technology	16.12.2024	21.12.2024
19.	FDP on Cloud Computing offered by NPTEL, IITM	NPTEL, IITM	July 2024	October 2024
20.	FDP on Python for Data Science	NPTEL, IITM	July 2024	August 2024
21.	FDP on AI and ML for Science and Engineering Applications	National Institute of Technology, NIT Warangal	22.07.2024	02.08.2024
22.	Workshop on Exploring AI tools for Effective Academic	Ramco Institute of Technology	29.07.2024	29.07.2024
23.	STTP on Elevate Your Creative Research Writing (The Complete Research Writing Course)	Radhakrishna Institute of Technology and Engineering, Bhubaneswar, Odisha.	17.07.2024	21.07.2024

24.	Workshop on “Enchancing Research Paper and Project Report Writing Capabilities with AI – Empowered Tools”	Vidya Vihar Institute of Technology, Purnea, Bihar.	03.06.2024	03.06.2024
25.	FDP on The Joy of Computing using Python offered by NPTEL, IITM	NPTEL, IITM	Jan 2024	April 2024
26.	FDP on Computer Vision & Pattern Recognition using Matlab	CHRIST(Deemed to be University) Bangalore.	01.04.2024	05.04.2024
27.	Online Two weeks capacity Building Programme Data analysis & Publication Ethics in research	ASET College of Science and Technology, Chennai.	01.02.2024	14.02.2024
28.	FDP on Latest Trend and Techniques in software engineering: An Industry Perspective	CHRIST(Deemed to be University) Bangalore.	20.01.2024	27.01.2024
29.	FDP on Future Direction in Image Processing	SRM Institute of Science and Technology, Chennai.	30.10.2023	04.11.2023
30.	Workshop on Faculty Competence Enhancement Programme on LPB01- Reserve Engineering	Ramco Institute of Technology	08.09.2023	09.09.2023
31.	Industry Oriented International Workshop on “Oracle Apex”	Ramco Institute of Technology	23.08.2023	24.08.2023
32.	Workshop on Scholarly Writing: Research Publications, Citation Analysis, Anti-Plagiarism, Reference Management Tools and Strategies of copyright and Patent (IPR)	Ramco Institute of Technology	04.08.2023	05.08.2023
33.	Short term course on “Data science using R”	NITTTR, Chandigarh	17.07.2023	21.07.2023
34.	National level webinar on “Roadmap and Essentials of Data Science”	G. Pulla Reddy Engineering College, Kurnool.	10.09.2022	10.09.2022
35.	FDP on “Amazon Web Service”	G. Pulla Reddy Engineering College, Kurnool.	22.08.2022	27.08.2022
36.	Webinar on “Terraform Best Practices and Usage in Enterprise Environment”.	Multicloud4U academy	27.10.2021	27.10.2021
37.	workshop on “Emerging Trends In Green Networking Technologies”	National Engineering College, Kovilpatti	08.03.2013	08.03.2013
38.	National workshop on “Network Simulation and Cloud Computing”	PSR Engineering College, Sivakasi	04.10.2013	06.10.2013
39.	Open Source Workshop on “Contribute To World”	TecvhnovusPvt Ltd	28.08.2011	28.08.2011

40.	open source conference on “GO-OS 2010”	Blue Genie Technologies pvt Ltd.	14.08.2010	14.08.2010
41.	workshop on “Grid and Cloud Computing”	Elysium Academy	23.09.2016	23.09.2016

6. Short term Courses / Seminars /FDP/Workshop/Conference organized

Sl.No	Title of the event	From	To	Number of Days
1.	Mini Project Presentation	08.05.2026	08.05.2026	1 day
2.	Paper to Code Event	02.03.2026	02.03.2026	1 day
3.	Technical Colloquium	05.02 2026	05.02 2026	1 day
4.	Aptitude Quiz Competition Genius IQ	17.10.2025	17.10.2025	1 day
5.	Guest lecture on From Theory to Practice: Real-Time Applications of DSA	04.10.2025	04.10.2025	1 day
6.	Guest Lecture on Azure Services and Cloud Architecture	26.04.2025	26.04.2025	1 day
7.	Guest Lecture on Devops and a Management:A Roadmap for Engineers	12.04.2025	12.04.2025	1 day
8.	SCIENZA25	01.03.2025	01.03.2025	1 day
9.	Guest Lecture on Graph Data Structure in Social Network Analysis	21.12.2024	21.12.2024	1 day
10.	Two-days Online Workshop for school students on Drag and Drop - UI Design	03.05.2024	04.05.2024	2 days

11.	Workshop on Software Testing and Advanced Automaton Tool	25.10.2024	26.10.2024	2 days
12.	Virtual workshop on Brainstorming using Miro	24.09.2024	24.09.2024	
13.	Poster Pioneer Contest	21.09.2024	21.09.2024	1 day
14.	Guest Lecture on Database Normalisation in Real time Application	29.06.2024	29.06.2024	1 day
15.	Paper Presentation Event	22.06.2024	22.06.2024	1 day
16.	Workshop on AIML	21.06.2024.	21.06.2024.	1 day
17.	Knowledge Sharing Session on Git and GitHub	07.06.2024	07.06.2024	1 day
18.	Identicalness	30.05.2024	30.05.2024	1 day
19.	Poster Designing Contest	21.03.2024	21.03.2024	1 day
20.	Workshop on HTML, CSS, Javascript	01.03.2024	02.03.2024	2 days
21.	Error Hunting	06.12.2023	06.12.2023	1 day
22.	Guest Lecture on Block Chain Technology	29.11.2023	29.11.2023	1 day

23.	IDEATHON	Ramco Institute of Technology and Institution of Engineers(India) Students Chapter		30.09.2022-
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7. Online Courses

1. **Introduction to Linear Algebra** – Offered by Coursera – Howard University
2. **Programming for Everybody (Getting Started with Python)** – Offered by Coursera – University of Michigan
3. **Python for Data Science (Elite)** – offered by NPTEL – IIT Madras
4. **Probability and Statistics for Machine Learning & Data Science** – Offered by Coursera – Deep learning, Ai
5. **The Joy of Computing using Python (Elite)** – offered by NPTEL – IIT Madras
6. **Introduction to AI** – Offered by Infosys Springboard
7. **Introduction to Robotic Process Automation** – Offered by Infosys Springboard
8. **Introduction to Natural Language Processing** – Offered by Infosys Springboard
9. **Introduction to Deep Learning** – Offered by Infosys Springboard
10. **Computer Vision 101** – Offered by Infosys Springboard
11. **Artificial Intelligence Foundation Certificate** – Offered by Infosys Springboard
12. **Foundation of User Experience (UX) Design** – Offered by Coursera – authorized by Google
13. **Start the UX Design Process: Empathize, Define, and Ideate**– Offered by Coursera – authorized by Google
14. **Build Wireframes and Low-Fidelity Prototypes**– Offered by Coursera – authorized by Google
15. **Conduct UX Research and Test Early Concepts** – Offered by Coursera – authorized by Google
16. Naan mudhalvan course **NETWORK ESSENTIAL** offered by cisco
17. Problem Solving Through Programming in C (**Elite**) – offered by NPTEL – IIT Madras
18. Cloud Computing (**Elite with Silver**) – offered by NPTEL – IIT Madras
19. Create High Fidelity Designs and Prototypes in Figma – Offered by Coursera – authorized by Google
20. Linear Algebra for Machine Learning and Data Science – Offered by Coursera
21. Data Science for Engineers (**Elite with Silver**) – offered by NPTEL – IIT Madras
22. Introduction to Machine Learning (**Elite**) – offered by NPTEL – IIT Madras
23. Deep Learning (**Elite**) – offered by NPTEL – IIT Ropar
24. Artificial Intelligence: Search Methods for Problem Solving (**Elite**) – offered by NPTEL – IIT Madras
25. Programming, Data Structures and Algorithms using Python (**Elite with Silver**) – offered by NPTEL – IIT Madras.