

BIODATA



Name : **Mrs. G. SIVASATHIYA**
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1. Educational Qualification:

Degree	Branch/Specialization	Institute/University	Year of Passing
B.E	Computer Science and Engineering	Maharaja Engineering College, Avinashi, Coimbatore. AnnaUniversity	2009
M.E	CSE / Network Engineering	Anna University Regional Center, Coimbatore.	2013
Ph.D	Information and Communication Engineering	Anna University, Chennai	Pursuing

2. Professional/Industry Experience (in chronological order) (15. 6 Years) :

S. No	Designation	Institution/Organization	Period	
			From	To
1.	Assistant Professor	Ramco Institute of Technology	01.07.2024	Till Date
2.	Assistant Professor	SRM Easwari Engineering College, Ramapuram, Chennai	14.11.2022	10.02.2024
3.	Procurement Analyst	AptLogiXLLC, (Reseller Company based out of Texas, US) – Remote operation from Chennai	03.02.2021	11.11.2022
4.	S.G. Teacher	New Prince Shri Bhavani Senior Secondary School (CBSE), Ullagaram , Chennai	14.06.2019	01.02.2021
5.	Assistant Professor	Anand Institute of Higher Technology , Chennai	01.07.2013	24.05.2019
6.	Lecturer	S.Veerassamy Chettiar Polytechnic College, Puliyangudi	10.06.2009	09.09.2011

3. Research Interest

Networking, Machine Learning, Image processing.

4. Publications

4.1. JOURNAL PUBLICATIONS

- Nirmala Venkatachalam, Leninisha Shanmugam, K. P. Revathi, G. Jeyaram, and **G. Sivasathiya**, **An Effective Vision Transformer-aided Intelligent Efficientnet B7 with Adaptive Tumor Segmentation for Breast Cancer Diagnosis using Thermography Images**, Journal of Mechanics in Medicine and Biology(2025), <https://doi.org/10.1142/S0219519425500265> (Index - SCI)

4.2. PATENT PUBLISHED & GRANTED

- 1.Mrs.K.P.Revathi 2.Mrs. B.Shyamala Gowri 3.**Mrs.G.Sivasathiya** 4.Dr.J.Vijayaraj, “**IOT BASED FACE MASK DETECTION**”, Application No: 375994-001., India, Date of Grant:01.02.2024.Status: **Granted**.
- 1.Nakka Maisaiah 2. T V Divya 3.**Mrs.G.Sivasathiya** 4. Kalamani A 5. Ashok Ganga 6. Dinesh CM 7. Dr S Jagannathan 8. Dr. CH. Asha Immanuel Raju 9. P. Sudharsan “**PREDICTING ASTHMA PREVALENCE FROM AIR POLLUTION DATA USING SUPERVISED ALGORITHMS**”, Application No: 202441102027, India, Date of Publication:10.01.2025.Status: **Published**.
- 1.Dr. Shantha Visalakshi.U, 2.Dr. Krishna Kumar Lakshmanaswamy, 3. Dr. S Valliammal, 4. Rajesh kumar N, 5.Kayalvizhi K R, 6.**Sivasathiya Ganesan**, 7.Irfan Khan,8. Dr. P. G. Gopinath “**AI FOR PRECISION MEDICINE DEVELOPING PERSONALIZED TREATMENT PLANS USING ML APPLICATION**”, No: 202641014795, India, Date of Publication:20.02.2026.Status: **Published**.

4.3. COPYRIGHT DETAILS

- 1.Dr.Neeraj Kumari 2.Prof. Mohit Tiwari 3.Dr.Rekha Ravindran 4.**Mrs.G.Sivasathiya** 5.Latha B, “**AI-BASED SMART HEALTHCARE SYSTEM FOR DISEASE DETECTION AND MANAGEMENT**”, Reg. No: 1228617., Canada, Date of Filing : 02.12.2024. Status: Registered
- 1.Dr.V.Anusuya 2.Mrs.M.RethinaKumari 3.**Mrs.G.Sivasathiya**, “**MOBILE APPLICATION DEVELOPMENT LABORATORY**”, Reg. No: LD-26153/2025-CO, Filing Date: 30.06.2025. Status : Registered.

4.4. BOOK CHAPTER PUBLICATION

- M. Uma Maheswari, **Sivasathiya Ganesan**, Pranjali Swapnil Thakre, Chapter Titled, **AI Driven Medical Imaging and Computer Vision Techniques for Enhanced Disease Diagnosis and Treatment Planning**, in the book **IoT-Enabled Smart Health Care Systems**, DOI: 10.71443/9789349552548-Chapter8, ISBN13: 9789349552548

4.5. BOOK PUBLICATION

- Sayyad Mohd Zakariya, Dr.S.Pavani , **Mrs.G.Sivasathiya** , Mr.Sathiyaraj Chinnasamy, **The C Programming Language**, REST publisher, April 2025, ISBN: 978-81-985636-1-3

4.6. CONFERENCE PUBLICATIONS

- Presented a paper **“Design and Development of a Machine Learning-Based Framework for Crime Detection and Prediction Analysis Using Large-Scale Data”** in the 14th International conference on Contemporary Engineering and Technology 2026 at Prince Shri Venkateshwara Padmavathy Engineering College , Chennai on 22nd & 23rd March,2026.
- Presented a paper **“Face and private object De-Identification”** in the International conference on Innovations in computing: Shaping the Digital Future(ICICSDF’26) at New Prince Shri Bhavani College of Engineering and Technology , Chennai on 7th March,2026.
- S. P. Vijayanand, R. Tarafdar, R. M. S. Priya, P. N. Karthikayan, **Sivasathiya Ganesan** and S. S, **“Deep Learning-Enabled Brain Tumor Classification Using Hybrid Quantum Convolutional Networks”**, 2025 Global Conference on Information Technology and Communication Networks (GITCON), Belagavi, India, 2025, pp. 1-8, doi: 10.1109/GITCON65266.2025.11376968. (IEEE Xplore)
- Had presented a paper entitled **“Ultrasound Based Imaging for peri-implant tissue assessment: A novel diagnostic approach for early detection and prevention of disease”**, in the International Conference on Recent trends in Science, Technology, Engineering and Mathematics (ICSTEM-2025) on 26th April 2025 at RRASE College of Engineering , Padappai.
- Had presented a paper entitled **“Breast Cancer Prediction Using Machine Learning with LIME Explanation”**, Paper ID: ICMICC’25-054 ,in the International Conference on Multidisciplinary Innovations in Communication and Computing (ICMICC’25) on 25th April 2025 at Easwari Engineering College , Chennai.
- Had presented a paper entitled **“Ultrasonography guided analysis and evaluation of oral tissue compatibility for dental implants using deep learning techniques”** in the International Conference on Intelligent Data Communication Technologies and Internet of Things (IDCIoT 2024) ,organized by Reva university, Bengaluru held on Jan4th to 6th,2024 (IEEE Xplore Complaint ISBN – 979-8-3503-2753-3).
- Had presented a paper entitled **“Ultrasonography guided analysis and evaluation of oral tissue compatibility for dental implants using deep learning techniques”** in the International Conference on Recent trends in Commerce, Management, Science and Engineering, organized by Maharani cluster university, Bengaluru & RSP Conference Hub, Coimbatore held on Nov 25th & 26th , 2023.

- Had presented a paper entitled “**Twitter Spam Detection using word vector and Binary Classifier**” at the International Conference on Self Sustainable Artificial Intelligence Systems(ICSSAS2023), organized by M.P.Nachimuthu M.Jaganathan Engineering College, Erode held from October 18th to 20th,2023 (IEEE Xplore Complaint ISBN – 979-8-3503-0085-7).
- Had presented a paper entitled “**Human Emotion recognition using predictive learning**” in the ISTE sponsored 9th International Conference on Latest Trends in Science, Engineering and Technology, organized by Karpagam Institute of Technology , Coimbatore held on May 05th and 06th , 2023.
- Had presented a paper entitled “**Network Based Application For Students Community On Top Of Android**” in the 2nd National Conference, on Feb 26th , 2016 at St.Anne’s College of Engineering and Technology, Panruti.
- Had presented a paper entitled “**Legal implication of employee and physical-activity monitoring system using android smart phone**” in the National Conference , on March 6th & 7th , 2014 at Anna University, Regional Center, Coimbatore.
- Had presented a paper entitled “**Data Consistency Using Multi Hop Dissemination Protocol By Eliminating Insider Attacker In VANET**” in the National Conference, on March 6th & 7th , 2014 at Anna University, Regional Center, Coimbatore.
- Had presented a paper entitled “**Energy Efficient Clustering model on Wireless Sensor Networks**” in the 2nd International Conference, on Feb 22nd , 2013 at Sri Ganesh School of Business Management, Salem.
- Had presented a paper entitled “**An adaptive energy efficient clustering approach on wireless sensor networks**” in the Fifth National conference on Computing, Communication and Information Systems, Feb 8-9, 2013 sponsored by TCS & TNSSTC held at Sri Krishna College of Engineering & Technology, Coimbatore.
- Had presented a paper entitled “**An adaptive energy efficient clustering approach on wireless sensor networks**” in the National conference on Recent trends in Information, Communication & VLSI, Feb 1-2, 2013 sponsored by DRDO-New Delhi held at Maharaja Engineering College for Women, Perundurai.

5. Short term Courses/ Seminars/ FDP/ Workshop/ Conference Attended:

Sl. No	Title of the event	Organized by	Date	
			From	To
1.	Faculty Development/Orientation	Anand Institute of Higher Technology	02.07.2013	03.07.2013
2.	Big data analytics workshop	Anand Institute of Higher Technology	25.04.2016	05.05.2016
3.	Data Center Virtualization Fundamentals FDP	Anand Institute of Higher Technology	09.05.2016	11.05.2016
4.	Faculty Development Program on ”Learning Improvement Techniques”	IIT Madras	09.11.2016	11.11.2016
5.	Faculty Development Program on “Recent advancements in AI & IOT”	R.M.K. College of Engineering and Technology	02.01.2023	06.01.2023

6.	International webinar series on “ Emerging trends in Computer science and Technology”	SRM Institute of Science and Technology , Ramapuram Campus	20.02.2023	24.02.2023
7.	Faculty Development Program on “Data Science Tools”	SRM Institute of Science and Technology , Trichy Campus	12.07.2023	01.08.2023
8.	Faculty Development Program on “Exploring the frontiers of AI : Theory and Application”	Prathyusha Engineering College, Thiruvallur	08.07.2024	12.07.2024
9.	Boot camp on “ Design Thinking”	SRM Institute of Science and Technology, Vadapalani Campus	15.07.2024 (06.00 pm to 07.30 pm)	20.07.2024
10.	Online Webinar on “Quantum Horizons: Revolutionizing health care with Quantum Computing”	School of Computer Science & Engineering and School of Information Science in association with IEEE student chapter Presidency University , Bengaluru	17.07.2024 (11 am to 12.30 pm)	17.07.2024
11.	An art of writing research proposals for various funding agencies	Research Council & Central Library , Ramco Institute of Technology	02.08.2024	-
12.	Deep Learning and IOT Technologies in Precision Healthcare	Kongu Engineering College	16.08.2024	17.08.2024
13.	Artificial Intelligence and Data Analytics	Madanapalle Institute of Technology and Science	16.09.2024	20.09.2024
14.	Cross-Modality Innovation: Generative AI in Language, Image Intelligence, and Medical Advancements	AICTE Training and Learning (ATAL) Academy, Bharati Vidyapeeth's College Of Engineering , New Delhi	09.12.2024	14.12.2024
15.	AI-Driven Solutions for Modern Cybersecurity Challenges	AICTE Training and Learning (ATAL) Academy, Ramco Institute of Technology	16.12.2024	21.12.2024
16.	R&D Conclave 2024	RIT Research Council, Ramco Institute of Technology	26.12.2024	-
17.	Intellectual Property Rights	REST Society for Research International	23.12.2024	28.12.2024
18.	Theory to innovation: Exploring Gen AI applications	KPR Institute of Engineering and Technology, Coimbatore	20.01.2025	24.01.2025
19.	Demystifying AI and Data Science	PALS and Meritus.AI	23.01.2025	24.01.2025
20.	Embracing the future : Innovations in Education Technology and Research	Methodist College of Engineering and Technology	03.02.2025	07.02.2025
21.	EBPL-Design Thinking	TN Skill Development Corporation, Naan Mudhalvan Programme	10.02.2025	16.02.2025
22.	International Conference on Multidisciplinary Innovations in Computing and Communication	SRM Easwari Engineering College, Chennai	25.04.2025	-
23.	International Conference on Recent trends in Science, Technology, Engineering and Mathematics	RRASE College of Engineering , Padappai, Chennai	26.04.2025	-

24.	Workshop on Sustainability and SDGs	IUCEE (Six Online Sessions)	April 2025	June 2025
25.	Professional Development Programme on “Educational Video Production”	NITTTR , Chennai	16.07.2025	21.07.2025
26.	Generative AI	Anjuman Institute Of Technology And Management Bhatkal	04.08.2025	08.08.2025
27.	AI Tools for Effective Teaching , Learning and Assessment	Velammal Institute of Technology	06.10.2025	10.10.2025
28.	Hands-On Mobile Malware Detection & Forensics	I.K.Gujral Punjab Technical University, Jalandhar Punjab	08.12.2025	12.12.2025
29.	Advanced Threats & Security Mechanisms for Wireless and IoT Networks	Maulana Abul Kalam Azad University of Technology, West Bengal	05.01.2026	09.01.2026

6. Short term Courses/ Seminars/ Value Added Courses/ FDP/ Workshop/ Conference /Events organized :

Sl. No	Title of the event	Organized by	Date	
			From	To
1.	One week National Level students Workshop on “ Promoting Career on Social Media ” for school and polytechnic students.	Dept of AI&DS, SRM Easwari Engineering College	20.01.2023	24.01.2023
2.	National Level workshop on “ Block Chain Technology and its Tools ”	Dept of AI&DS, SRMEaswari Engineering College	09.02.2023 (Physical Mode) 18.02.2023 (Virtual Mode)	10.02.2023 (Physical Mode) 19.02.2023 (Virtual Mode)
3.	Awareness program on “ Legal Protections for Women Safety ” (Virtual)	Women Empowerment Cell, SRM Easwari Engineering College	25.02.2023	25.02.2023
4.	Parent Campus Connect Series in “ Job and Internship opportunities in AI ” (Virtual)	Dept of AI&DS, SRM Easwari Engineering College	15.04.2023	15.04.2023
5.	“ Career Catalyst Series ” for Final year students (Online Mode– Mock Interview Series)	Dept of AI&DS, SRM Easwari Engineering College	26.06.2023	01.07.2023
6.	International Faculty Development Program on “ Research Tools ” (Virtual)	Dept of AI&DS, SRM Easwari Engineering College	03.07.2023	14.07.2023
7.	Awareness program on “ PoSH Act and Training ” for Faculty Members (Physical)	Internal Complaints Committee ,SRM Easwari Engineering College	11.08.2023	11.08.2023

8.	Polytechnic Outreach Program with a Guest Lecture in “ Current Opportunities in AI field ” and Quiz in “ Basics of AI ” (Physical)	Dept of AI&DS, SRM Easwari Engg College @ P.T. Lee Chengalvaraya Naicker Polytechnic College, Vepery, Chennai.	06.10.2023	06.10.2023
9.	Core Teaching in “ Video Analytics using Deep Learning ” (Physical)	Dept of AI&DS, SRM Easwari Engineering College	19.10.2023	19.10.2023
10.	Workshop on “ Brainstorming using Miro ” (Virtual)	Dept of IT , Ramco Institute of Technology	24.09.2024	-
11.	Mini Project Presentation Event (Physical)	RIT-IE(I) IT Chapter, Dept of IT , Ramco Institute of Technology	23.11.2024	-
12.	Value Added Course on “ Simulation of Service Robots And Industrial Robots ” (Physical)	Dept of IT , Ramco Institute of Technology	06.01.2025	10.01.2025
13.	Workshop on “ Exploring GenAI ” (Physical)	Dept of IT , Ramco Institute of Technology	09.05.2025	10.05.2025
14.	Value Added Course on “ Advanced IoT Systems Integration and Industrial Applications ” (Physical)	Dept of IT , Ramco Institute of Technology	14.07.2025	18.07.2025
15.	Project Review on “ Mobile Application Development ” (Physical)	Dept of IT , Ramco Institute of Technology	23.08.2025	-
16.	Workshop on “ User Experience in Action: A Hands-On Design Journey ” (Virtual)	Dept of IT , Ramco Institute of Technology	30.08.2025	-
17.	Guest Lecture on “ Enterprise Application Development ” (Physical)	Dept of IT , Ramco Institute of Technology	03.10.2025	-
18.	Aptitude Quiz Competition Genius IQ (Physical)	RIT-IE(I) IT Chapter, Dept of IT , Ramco Institute of Technology	17.10.2025	-
19.	National-Level Workshop on “ AI-Powered Low Code and No Code Development Platforms ” (Physical)	Dept of IT , Ramco Institute of Technology	25.10.2025	-
20.	Value Added Course on “ AR/VR Application Building: Design, Prototype & Deployment ” (Physical)	Dept of IT , Ramco Institute of Technology	09.12.2025	13.12.2025
21.	One-day partial delivery on “ Advanced Security practices in Modern Computing ” (Physical)	RIT-IE(I) IT Chapter, Dept of IT , Ramco Institute of Technology	13.04.2026	-

7. Acted as Resource Person / Reviewer :

Sl. No	Title of the event	Organized by	Acted As	Date
1.	UI/UX Workshop (Physical)	RIT Infotrix Dept of IT , Ramco Institute of Technology	Resource Person	24.10.2025
2.	Hackathon on Data Analytics	Dept of CSBS & ACM student Chapter , Ramco Institute of Technology	Evaluator	20.12.2025
3.	Symposium “BizNovexa-26” – Spell Craft Coding Event	Dept of CSBS , Ramco Institute of Technology	Evaluator	10.04.2026
4.	Online Workshop for School students on “ AI Tools for cinematic video creation ” (Virtual)	Dept of IT , Ramco Institute of Technology	Resource Person	10.04.2026

8. Online Courses

Sl. No	Course Title	University/Organization	Date
1.	Research Methodology	NPTEL	July-Sep 2024
2.	The joy of computing using Python	NPTEL	Jan-Apr 2026
3.	AI Upskilling Certificate : Technical Foundation	Qualcomm Academy	15.01.2026

9. Awards, Recognition & Achievements

- ❖ Awarded as “**Top performing Mentor**” by NPTEL in recognition of role as mentor for the NPTEL online certification course “**Introduction to Internet of Things** “July 2023- Dec 2023.
- ❖ Active **Board of Studies member** in designing the Curriculum and syllabus for R2019_Version 21 and R2023 at Easwari Engineering College, Chennai.
- ❖ Received appreciation for providing **best lecture notes** by the principal based on the report of external audit committee at Anand Institute of Higher Technology.
- ❖ Secured **class first** in the II&III semesters of M.E.
- ❖ Had won award and momentum for giving **centum results** during the work period.
- ❖ Had participated and won prizes in various competitions at **college cultural**.
- ❖ Active participant in **NSS** at college level.

As on 06-06-2026