

BIO DATA



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1. Educational Qualification

Degree	Branch / Specialization	Institute/University	Month & Year of Passing
B.E	Computer Science and Engineering	Sathyabama Institute of Science & Technology, Chennai, India.	2005
M.Tech	CSE & IT	MS University, Tirunelveli.	2011
EMBA	Human Resource	National Institute of Business Management, Chennai, India.	2008
Ph.D	Information and Communication Engineering	Anna University, Chennai	Pursuing

2. Professional/ Industry Experience:

Institute Name	Post	Working Period		Total
		From	To	
Ramco Institute of Technology, Rajapalyam	Asst.Professor	01.07.2024	Till date	-
Renganayagi Varatharaj College of Engineering, Salvarpatti, Sivakasi.	Asst.Professor	07.11.2013	22.11.2018	5Y 25 D
PET engineering College, Vallioor	Asst.Professor	15.06.2006	31.05.2012	6 Y 15 D

3. Research Interest:

Image Processing, Machine Learning, Deep Learning

4.Publications:

4.1 Journal Publications

- M.Rethinakumari, Prof.Ravi ‘Improving the efficiency of Face Recognition system for images with different Illumination conditions’, The second international joint journal conference on engineering and technology. (IJJCET2011).
- Ms.S.Anuja , Ms.M.Rethina Kumari , Ms.R.Aarthi has submitted a research paper entitled ”Outlandish technique fox facade Recognition in Images” in International Journal of Emerging Engineering Research and Technology.
- Dr.V.nusuya, Mr.S.Sakkaravathi, Mrs.M.Rethin Kumari,Sridhar.S published a paper “Comparison and Analysis of Facial Emotion Detection Using Various Deep Learning Neural Networks in Journal of Image Processing &Pattern Recognition Progress”

4.2. Conferences:

- M.Rethinakumari Presented a paper entitled ‘Improving Face Recognition for Multispectral Image by Illumination ’ in the national Conference on The Rising of BRIC Economics-A scenario Thinking’ at PET Engineering College on 24th November 2010.
- M.Rethinakumari Presented a paper entitled ‘Improving Face Recognition in Multispectral Image by Narrow Band Selection ’ in the national Conference on Integrated Intelligent Computing at DR.Sivanthi Aditanar College of Engineering,Tiruchendur on 4th and 5th March 2011.
- M.Rethinakumari Presented a paper entitled ‘Improving Face Recognition in Multispectral Images in Different Illumination’ in the Fifth national conference on recent trends in information technology at Kamaraj college of engineering and technology, Virudhunagar on 10th March 2011.
- M. Rethinakumari participated in the International Conference on "Advances in Renewable Energy and Intelligent Systems (AREIS 2024)" held from 5th to 6th December 2024.
- M. Rethinakumari participated in the 18th International Conference on "Intelligent Systems and Control (ISCO 2025)" held from 13th to 14th February 2025.
- M. Rethinakumari presente a paper “Enhanced Medical Image Analysis for Diabetic Eye Disease Detection Using RAM-Net Architecture” in the 2025 International Conference on "Circuit, Power and Computing Technologies (ICCPCT 2025)" held from 8th to 9th August 2025.
- M. Rethinakumari participated in the 2025 International Conference on "Intelligent Signal Processing and IoT-based Real-Time Environmental Monitoring System for

Cold Chain Logistics (INSPECT 2025)" held from 7th to 8th November 2025.

- M. Rethinakumari participated in the 2025 International Conference on "Innovative Humanitarian Technical Solutions for Global Challenges (ICIH 2025)" held from 21st to 22nd November 2025.
- M. Rethinakumari participated in the 2025 IEEE International Conference on "Emerging Trends in Computing and Communication (ETCOM 2025)" held from 28th to 29th November 2025.
- Presented a paper "Hybrid Deep Learning Framework for Multi-Class Eye Disease Detection with Explainability and Care Support" at the International Conference on Contemporary Engineering And Technology 2026 on 22.03.2026 and 23.03.2026.
- Presented a paper "Employee Turnover Prediction" at the International Conference on Contemporary Engineering And Technology 2026 on 22.03.2026 and 23.03.2026.

4.2. Books:

- Dr.G.Mareeswari, Mr.S.GaneshKuamr, Mrs.S.Seethlakshmi, Mrs.M.Rethinakumari published a book "Data structures & Algorithms" ISBN: 978-93-6492-012-4.

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

Sl.No	Title of the event	Organized by	Date	
			From	To
1	Pervasive Computing	National Engineering College, Kovilpatti	20.04.2007	21.04.2007
2.	Research Issues in Wearable Computing	National Engineering College, Kovilpatti	28.01.2011	29.01.2011
3	Network Simulation	MS University, Tirunelveli	18.11.2011	-
4	Ninth National Seminar on Research Issues in Digital Image Processing	Mepco Schlenk Engineering College, Sivakasi.	19.03.2016	-
5	Quantum Horizons: Revolutionizing healthcare with Quantum Computing	Webinar, Presidency University, Bengaluru	17.07.2024	-
6	FDP on Big Data Analytics.	National Engineering College, Kovilpatti	22.07.2024	27.07.2024
7	FDP -Web Development Using Django	Kamaraj College of Engineering and Technology, Virdhunagar	05.08.2024	09.08.2024

8	Nan Mudhalvan FDP- Microsoft Digital Skills	Government of Tamilnadu,Tamilnadu Skill Development Corporation	16.09.2024	21.09.2024
9	ATAL FDP -Enhancing Cyber Threat Detection Through Incorporating Digital Technologies	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Chennai	9.12.2024	14.12.2024
10	ATAL FDP- AI Modern Driven Solutions for Modern Cyber Security Challenges.	RAMCO INSTITUTE OF TECHNOLOGY, Rajapalayam.	16.12.2024	21.12.2024
11	International Technical Colloquium - Exploring Computational Intelligence In Deep Learning : Emerging Trends And Real Time Applications	Kamaraj College of Engineering and Technology,Virdhunagar	09.09.2024	13.09.2024
12	FDP –Wipro Java Full Stack	Wipro	20.01.2025	07.02.2025
13	FDP-AI and Machine Learning for Electrical Engineering	RAMCO INSTITUTE OF TECHNOLOGY, Rajapalayam.	05.05.2025	09.05.2025
14	FDP-Recent Advancements in AI &ML	St.Joseph’s College of Engineering, Chennai.	30.06.2025	04.07.2025
15	FDP-Generative AI	Nasscom and Brain O Vision.	04.08.2025	08.08.2025
16	NPTEL-FDP-Joy of Computing	NPTEL	July	October
17	FDP- Natural Language Processing for Modern AI systems	Ramco Institute of Technology	22.12.2025	26.12.2025
18	ICTACT- Salesforce Agentblazer Champion	ICTACADEMY	05.01.2026	09.01.2026
19	FDP - Object Oriented Software Development	IIT-Madras	January- 2026	April-2026

	Using UML, Java and Patterns		
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6. Online Courses:

Sl.No	Course Title	University	Completed on
1.	Introduction to Linear Algebra	The University of Sydney	31.12.2024
2.	Programing in Python	Dibrugarh University	31.01.2025
3.	Data Analytics	NITTTR-Kolkata	24.05.2025
4.	Data Science and Big Data	INOU-New Delhi	25.05.2025
5.	Mastering Deep Learning	IIM-Bangalore	25.05.2025
6.	Joy of Computing	IIT-Madras	01.11.2025
7.	Object Oriented Software Development Using UML, Java and Patterns	IIT-Madras	April-2026

11. Patents filed/ awarded:

S.No	Title of the Invention	Application Number	Inventors	Filling Date	Status
1	Alert System for Hearing Impaired Children	202441090333	D Dr. V. Anusuya, Head & ASP /IT Mrs.M.Rethina Kumari, AP/IT	21.11.2024	Published on 29.11.2024
2	Air Quality Monitoring System sing IoT with Flutter”	202641001538	Dr. V. Anusuya, Head & ASP /IT Mrs.M.Rethina Kumari, AP/IT Mr.A.Sathya(95362 2205038)-(2022-2026)	07.01.2026	Published on 13.03.2026
3.	Copyright- Big Data Analytics Lab Manual	L-156103/2024	Dr. V. Anusuya, Mrs.M.Rethina Kumari, Dr.G.Mareswari	9/09/2024	Copyright Obtained 29/10/2024

4	Copyright- Mobile Application Development Lab Manual	LD-26153/2025- CO	Dr. V. Anusuya Mrs.M.Rethinakuma ri Mrs.G.Sivasathiya	30/06/2025	Copyright Obtained 07/11/202 5
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Industrial Certification Courses:

S.No	Industry Name	Course Name	Duration	Status
1.	WIPRO	Java Full Stack TalentNext	20.01.025 to 07.02.2025	Wipro Certified Faculty(JAVA)
2.	WIPRO	AI& ML	01.09.2025 to 05.09.2025	Advanced Technology Certified Faculty
3.	WIPRO	Cloud Computing	13.10.2025 to 17.10.2025	Advanced Technology Certified Faculty
4	WIPRO	Advanced Java Full Stack TalentNext	04.05.2026 to 15.05.2026	Wipro Certified Faculty(Advanced JAVA)

As on 06.06.2026