PROFILE

M. MERLA AGNES MARY, M. Sc., M. Phil., NET, (Ph. D.),

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CAREER OBJECTIVES

❖ To make the best use of my knowledge in **Teaching** and **Organization.**

❖ To be a self-motivated and passionate **Lecturer** in Computer Science.

❖ To be enthusiastic in helping students to understand difficult concepts and prepare them for the future.

EDUCATIONAL QUALIFICATIONS:

From 2022	**Pursuing Ph. D**
	Cleared National Eligibility Test (NET)
2019- 2020	**Master of Philosophy in Computer Science**
	Distinction with **8.17** CGPA
	St. Joseph's College, Tiruchirappalli.
2017 – 2019	**Master of Science in Computer Science**
	Outstanding with a **9.05** CGPA
	St. Joseph's College, Tiruchirappalli.
2014 – 2017	**Bachelor of Science in Computer Science**
	Distinction with a **7.79** OGPA
	Holy Cross College, Tiruchirappalli.
2013 – 2014	**Higher Secondary School Certificate**
	Passed with **72** Percentage
	Sacred Heart Girls Higher Secondary School, Pudukkottai.
2011 – 2012	**Secondary School Leaving Certificate**
	Passed with **87** Percentage
	Sacred Heart Girls Higher Secondary School, Pudukkottai.

AWARDS RECEIVED

- ❖ University Rank/ Holder

- ❖ Gold Medal in M.Sc. (CS): 2017- 2019

TECHNICAL SKILL

- ❖ Passed in Type Writing (English) Junior Grade with Distinction.

TEACHING EXPERIENCE

August 2021 – January 2022   **Assistant Professor**,
Department of Information Technology,
St. Joseph's College (Autonomous), Tiruchirappalli, 620002,
Tamil Nadu, India.

Currently Working   **Assistant Professor**,
Department of Computer Science,
St. Joseph's College (Autonomous), Tiruchirappalli, 620002,
Tamil Nadu, India.

AREA OF INTEREST

- ❖ Theory of Computation

- ❖ Data Structure

- ❖ Data Analytics

- ❖ Machine Learning

PATENT

- ❖ AI- Based on smart voice and sense-assisted lightning system for building, UK- Patent (International), Application Number: 6423602, February 1 – 2025

- ❖ Smart Device For Testing Alcohol And Drug Breath, Application No: 6388118, Certificate of UK Design (International), September 10- 2024. Granted. https://www.registered-design.service.gov.uk/find/

CERTIFICATE COURSES COMPLETED

- ❖ Completed the Introduction to Machine Learning course conducted by NPTEL from July to October 2024.

FDP PARTICIPATED

- ❖ Participated in One Day FDP on "**Student-Centric Teaching Practicos**" organised by St. Joseph's College (Autonomous), Tiruchirappalli from 27th January to 29th January 2025.

- ❖ Participated in One Day FDP on "**Effective E-Content Development - Four Quadrant Approach**" organised by St. Joseph's College (Autonomous), Tiruchirappalli from 3rd August to 23rd September 2024.

- ❖ Participated in Five Days FDP on "**Recent Advancements in AI and IOT – Industry Perspective**" organized by the Department of Computer Applications, Periyar Maniammai Institute of Science and Technology, Vallam, Thanjavur, from 25th November to 30th November 2024.

- ❖ Participated in Five Days online FDP on "**Intellectual Property Rights in the Age of AI**" organized by the Department of Computer Applications, Mangalmay Institute of Management & Technology, Noida from 24th June to 28th June 2024.

- ❖ Participated in One Day FDP on "**Academic Research in Science**" organised by St. Joseph's College (Autonomous), Tiruchirappalli on 09th December 2023.

- ❖ Participated in One Day FDP on "**Patents and Consultancy**" organised by Joseph Start-up Centre, St. Joseph's College (Autonomous), Tiruchirappalli on 20th November 2023.

- ❖ Participated in Seven Day FDP on "**Deep Learning Case Studies**" organised by Christ (Deemed to be university), Yeshwanthpur Campus, Bangalore from 25-Oct-2023 to 31-Oct-2023.

- ❖ Participated in One Day FDP on "**Intricacies of Writing for Research Publications and Projects**" organised by Internal Quality Assurance Cell, St. Joseph's College (Autonomous), Tiruchirappalli on 27th October 2023.

- ❖ Participated in One Day FDP on "**Academic Research Writing**" organised by St. Joseph's College (Autonomous), Tiruchirappalli on 22nd July 2023.

- ❖ Participated in Five Day Virtual Hands-on FDP on "**Creation of e-Content**" conducted by St. Joseph's College (Autonomous), Tiruchirappalli from 13th – 19th July 2023.

- ❖ Participated in One Week FDP on **"Artificial Intelligence and its Applications"** by the Department of Computer Science and Engineering, Chalapathi Institute of Technology (Autonomous), Guntur from 03rd – 08th July 2023.

- ❖ Participated in One Week FDP on **"Natural Language Processing"**, organized and supported by the Ministry of Electronics and Information Technology (MeitY), Govt. of India at University College of Engineering, Anna University, and Tiruchirappalli from 06th - 10th January 2020.

NATIONAL SEMINAR/WEBINAR/WORKSHOP PARTICIPATED

- ❖ Participated in a one-day Online Workshop on "**Data Analytics & AI**" organized by the Centre for Computer Science and Information Technology, Manjeri, the University of Calicut in association with IPSR Solutions Limited on 15th June 2024.

- ❖ Participated in a one-day Lecture Program on **"AI-based tools for literature search and systematic review"** organized by Chakreswar Saikia Central Library, in association with Teachers Unit, Nanda Nath Saikia College, Titabar, Jorhat, Assam on 9th June 2024.

- ❖ Participated in a one-day National-level webinar on **"Intellectual Property Rights, Issues and Challenges in India"** organized by the Department of Commerce and Library of our Yashwantao Chavan College, Ambajogai on 26th April 2024.

- ❖ Participated in a one-day interdisciplinary online workshop on **"Intellectual Property Rights"** organized by Dr Manorama & Prof. Haribhau Shankarrao Pundkar Arts, Commerce and Science College, Akola on 27th March 2024.

- ❖ Participated in a one-day Guest Lecture on "**Introduction to Data Science**" conducted by the Department of CSE – DS, Chalapathi Institute of Technology (Autonomous), Guntur on 10th August 2023.

- ❖ Participated in a one-day Webinar on **"Basics of Image Processing and its Applications"** organised by the Department of Computer Science, Marwadi University, Rajkot on 08th July2023.

- ❖ Participated in a one-day Webinar on **"Basics of AI with latest Trends and Applications"** organised by the Department of Computer Science, Marwadi University, Rajkot on 10th June2023.

- ❖ Participated in a one-day National Webinar on **"The Art of Writing Research Article and Publishing in High Impact SCOPUS/SCI-E Journals"** organised by the Department of Computer Science and Engineering, MLR Institute of Technology, Hyderabad on 09th May2023.

- ❖ Participated in the Webinar on "**Scientific and Technological Advancements in Research"** organised by the Research Advisory Committee of St. Joseph's College (Autonomous), Tiruchirappalli on 01st April 2023.

- ❖ Participated in One Day International Seminar on "**Research Areas in Data Analytics and Security**" organized by the PG Department of Data Science and Department of B. Voc. Software Development on 19th December 2022.

- ❖ Participated in a One-day Hands-on Seminar on "**Effective Online Search Techniques for Innovation in Research**", on behalf of the Research Advisory Committee of St. Joseph's College, Trichy on 29th October 2022.

- ❖ Participated in the National Skill Development Workshop on "**Artificial Intelligence, Machine Learning and Data Science – AMD – 2022**" conducted by RUSA II, Madurai Kamaraj University, Madurai on $24^{th} – 25^{th}$ May 2022.

- ❖ Participated in One Day Seminar on "**Quality Parameters in Research**" organized by the Research Advisory Committee of St. Joseph's College, Trichy on 01st March 2022.

- ❖ Participated in "**National Level E-Quiz program on Quantitative Aptitud**e" with 95%, organized by the Department of Mathematics, Morning Star Arts and Science College, Karaikudi.

- ❖ Participated in Webinar on **"Recent Trends in Computer Science Intelligence"**, organized by the Department of Computer Science and Information Technology, St. Joseph's College, Trichy, held on 24th & 25th April 2020.

- ❖ Participated in Seminar on **"Dynamics of Research Quality"**, organized by St. Joseph's College, Trichy, held on 15th October 2019.

- ❖ Participated in Workshop on **"Internet of Things and Its Applications"**, organized by the Department of Information Technology, St. Joseph's College, Trichy, held on 5th December 2017.

- ❖ Participated in Endowment Workshop on **"Current Trends in Computer Science"**, organized by the Department of Computer Science and Information Technology, St. Joseph's College, Trichy, held on 31 August an 1st September 2017.

PRESENTATION

- ❖ Participated and presented a Research Paper at the International Conference on "**Next Generation Technologies for Sustainable Computing (ICNGT – 2025)"** conducted by the Department of Computer Applications, Shrimati Indira Gandhi College, Tiruchirappalli, held on 24th January 2025.

- ❖ Participated and presented a Research Paper at the International Conference on "**The Impact of Disruptive Technologies (ICIDT 2024)"** conducted by the Department of Computer Science, St. Joseph's College (Autonomous), Tiruchirappalli, held on 08th and 09th January 2024.

- ❖ Participated and Presented in the Three-day International Conference on "**Blooming Trends in Tech Challenges and Opportunities**", conducted by the PG and Research Department of Computer Science, National College, Trichy, held on $27^{th} – 29^{th}$ September 2018.

PAPER PUBLICATIONS

❖ M. Merla Agnes Mary and Dr. S. Britto Ramesh Kumar, "**Removal of ECG Signal Noise to Improve the SNR using Kalman Filter"**, International Conference on The Impact of Disruptive Technologies (ICIDT 2024), Pages: 123-129, January 2024.

❖ M. Merla Agnes Mary and Dr. S. Britto Ramesh Kumar, **"Prediction of Rhabdomyosarcoma Using Transfer Learning on Pathology and Radiology Images"** International Journal of Advanced Research in Computer and Communication Engineering", DOI: 10.17148/IJARCCE.2022.118242020, Volume 11, Issue 8, August 2022,

❖ M. Merla Agnes Mary and Dr. T. Lucia Agnes Beena, **"Heart Disease Prediction using Machine Learning Techniques: A Survey**" International Journal for Research in AppliedScience and Engineering Technology", Volume 8, Issue X, October 2020.

❖ M. Merla Agnes Mary, Dr. P. Joseph Charles and P. Herbert Raj, **"IOT- New Perspectives and its Security",** International Journal of Computer Sciences and Engineering. Volume 6,Special Issue 11, December 2018.

❖ M. Merla Agnes Mary and Dr. P. Joseph Charles, **"A Study on Three Service Model of Cloud Computing"**, International Journal of Electrical Electronics and Computer Science and Engineering, Special Issue – NCCT 2018 | E-ISSN: 2348-2273| P-ISSN: 2454-1222, February 2018.

PERSONAL DETAILS

Date of Birth	:	10th September 1997
Gender	:	Female
Marital Status	:	Unmarried
Nationality	:	India
Languages Known	:	Tamil, English
Address	:	A. Micheal Raj,
		3-506-2, Sebasthiarpuram,
		K. Rasiamangalam (PO),
		Alangudi (TK),
		Pudukkottai (DT).
		Pin Code – 622301.

I HEREBY DECLARE THAT THE STATEMENTS MADE BY ME ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

M. MERLA AGNES MARY