



**1. NAME AND ACADEMIC RANK:** Mr. Saravanan Elumalai,  
Assistant Professor

**2. EDUCATION:**

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|--------|---|
| M.Tech | Computer System Networking, Dr. M.G.R. Educational and Research Institute, Chennai, 2005. |
| M.Sc   | Applied Science Computer Technology, K.S.R College of Technology, Tiruchengode, 2001.     |
| B.Sc   | Computer Science, Mazharul Uloom College, Ambur, 1999.                                    |

**3. ACADEMIC EXPERIENCE:**

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| 2006 - Present | Assistant Professor, Computer Science and Engineering Department, Dr. M.G.R. Education and Research Institute, Chennai, full time |
| 2005 – 2006    | Lecturer, Computer Science & Engineering Department, Dr. M.G.R. Education and Research Institute, Chennai, full time              |

**4. NON-ACADEMIC EXPERIENCE:**

2001- 2003 - Customer Support Officer, Essae Technologies, Bangalore

**5. CERTIFICATIONS OR PROFESSIONAL REGISTRATIONS:**

- Python Core certification by Sololearn, April 2020.
- SQL Certification by Sololearn, April 2020.
- C# Certification by Sololearn, April 2020.
- C# Basics for Beginners: Learn C# Fundamentals by Coding Certification by Udemy, April 2020.

**6. CURRENT MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:**

- Institution of Engineers (India), (IEI), Member
- The Institution of Engineering & Technology(IET)- Member
- Computer Society of India (CSI) – Member

**7. HONORS AND AWARDS:**

IET YPSC Chairman Award – March 2013.

**8. SERVICE ACTIVITIES:**

- Various Academic and Administrative Committee Members at DrMGRERI
- University Website Coordinator

## **9. PRINCIPAL PUBLICATIONS OF LAST FIVE YEARS (2019-2024):**

- Smart Grass Cutter Using Solar Power System, Dr. V Ramesh Babu, Mr. Saravanan Elumalai, Sharon V M, YogeshS, Jeremy Issac Raj L (Author) 5285 - 5292

## **10. PATENT**

- CHRONIC DISEASE MONITORING HEALTHCARE ASSISTANT patent filled on 07/08/2024

## **11. PROFESSIONAL DEVELOPMENT ACTIVITIES IN THE LAST FIVE YEARS:**

- Faculty Development Program (online) on NEP- 2020 Orientation and Sensitization under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by Malaviya Mission Teacher Training Centre, University of Hyderabad (MMTTC-UoH) from 18th March to 26th March 2024.
- “Emerging Research Trends in Engineering and Technology”, Faculty Development Program conducted by “Kings Engineering College, Jan 04-11,2024.
- Latest Trends and Techniques in Software Engineering : An Industry Perspective”, FDP organized by CHRIST University. Bangalore, Jan 20-27,2024
- “Research - The Journey from Inception to Publishing”, FDP organized by Dhanraj Baid Jain College, Chennai, February 05-09,2024.
- “Hybrid Education for Pedagogical Success ”, FDP Organized by Saveetha College of Liberal Arts and Sciences, SIMATS. January 09-13,2024.
- “AI Insights: Predictive Power of ML, DL &NLP” Organized by the Department of AI&ML, Sphoorthy Engineering College, May 14 – 18, 2024.
- “Emerging Trends in Data Analytics”, FDP Organized by Saveetha College of Liberal Arts and Sciences, SIMATS, Chennai., January 22-26,2024.
- “Recent Advances in Biomedical Applications and Communication Networks”, FDP Organized by GMR Institute of Technology, AP, India, July 13 – 18, 2020.
- "Artificial Intelligence Applications through Machine Learning" organized by the Balaji Institute of Technology & Science, Warangal, July 14 – 18, 2020
- “Machine Learning and Deep Learning-Research and Application Perspectives”, ”SRM Institute of Science and Technology, Chennai. April 26 – 30,2020.
- “ML/DL by Using Colab and KNIME-A Road Map” Organized by CMR Engineering College, Hyderabad, June 01 – 05, 2021.

- “Multi Technologies”, organized by Aarupadai Veedu Institute of Technology, Chennai, 28-06-2021 to 03-07-2021.
- “Cyber Security & Digital Forensics” organized by the Sree Saraswathi Thyagaraja College, Pollachi, June 16 - 22, 2021

### **Book Chapters**

1. F. Antony Xavier Bronson, V. Sai Shanmuga Raja, Saravanan Elumalai, G. Senthil Velan, P. Solainayagi, Chapter Title: Integrated Storage Allocation and Privacy Preserve Deduplication Process over Cloud Using Dekey Method, Book Title: Convergence of Deep Learning and Artificial Intelligence in Internet of Things, Taylor & Francis, CRC Press, Chapter 3|26 pages.
2. Francis Antony Xavier Bronson, Xavier Francis Jency, Vairamani Sai Shanmugaraja, Saravanan Elumalai, Gowrishankar Senthil Velan, Elimination and Restoring Deduplicated Storage for Multilevel Integrated Approach with Cost Estimation, Book Title: Mobile Radio Communications and 5G Networks, Book Subtitle :Proceedings of Third MRCN 2022, Series Title: Lecture Notes in Networks and Systems, DOI: <https://doi.org/10.1007/978-981-19-7982-8>, Publisher: Springer Singapore

