



**1. NAME AND ACADEMIC RANK:** Dr. V. Sai Shanmuga raja, M.E., Ph.D.,

Professor

**2. EDUCATION:**

PhD      Computer Science and Engineering, Dr. MGR Educational and Research Institute, Chennai, 2015

ME      Computer Science and Engineering, Anna University, Chennai, 2008

BE      Computer Science and Engineering, Madras University, Chennai 2006

**3. ACADEMIC EXPERIENCE:**

2022 - Present    Present Professor, Department of Computer Science & Engineering,  
Dr. M.G.R. Educational and Research Institute, Chennai, full time

2016 - 2022    Assistant Professor, Department of Computer Science & Engineering,  
Shanmuganathan Engineering College, Thirumayam, Pudukottai Dist.  
full time

2015 - 2016    Associate Professor, Computer Science & Engineering Department,  
Dr. M.G.R. Educational and Research Institute, Chennai, full time

2008 - 2015    Assistant Professor, Department of Computer Science & Engineering,  
Dr. M.G.R. Educational and Research Institute, Chennai, full time

2007 - 2008    Teaching Assistant, Department of Computer Science & Engineering,  
Dr. M.G.R. Educational and Research Institute, Chennai, full time

**4. NON-ACADEMIC EXPERIENCE:**

NIL

**5. CERTIFICATIONS OR PROFESSIONAL REGISTRATIONS:**

Data Analysis & Visualization of COVID -19 Data set using Python

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

- International Association of Engineers (IAENG), Member
- The Institution of Engineering & Technology (IET)- Member

**7. HONORS AND AWARDS: NIL**

**8. SERVICE ACTIVITIES:**

- Various Academic and Administrative Committees at Dr MGR Educational and Research institution
- Coordinator of Dr. MGR - ACS Space Technology Centre
- Coordinator Department Continuous Assessment Cell
- Convener, Department CSE Coding Club
- Member of Curriculum and Syllabus updating team

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

- "Ontology Based Efficient Multi Keyword Query Interface for Search Engines", Asian Journal of Information Technology 17, no. 3, PP: 197-201.
- "A Dynamic Memory Allocation Strategy for Virtual Machines in Cloud Platform", International Journal of Pure and Applied Mathematics, 119(15), pp.423-1444.
- "Aggregation of Encrypted Data using a Secure Paillier Key in Wireless Sensor Networks", NeuroQuantology, Volume 20, Issue 8, Page2050-2055, doi: 10.14704/nq.2022.20.8. NQ44224.
- "Efficient Query Services in A Paillier Cryptosystem and Rasp", Computer Integrated Manufacturing Systems, Volume 28, Issue 10, pp. 686-696.

**10. PROFESSIONAL DEVELOPMENT ACTIVITIES IN THE LAST FIVE YEARS:**

- Coordinated the online training course on Overview of Space Science and Technology under ISRO START Programme conducted by this institute during July 20, 2023, to August 07, 2023.
- Coordinated the online training course on Exploration of the Solar System under ISRO START Programme conducted by this institute during April 24, 2024, to May 10, 2024.
- Attended the workshop on Space Situational Awareness and Space Traffic Management - Growing Concerns on Space Environment Organized by ISRO and

ASI in association with IN-SPACE and NSIL, 11-13 January 2023, Bangalore, India.

- FDP on Data Science using R.
- FDP on Managing Online classes and Co-Creating MOCS.