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Dr. S. Mahalakshmi has been currently working as an Assistant Professor in the Department of Computer Science with Artificial Intelligence at Dharmamurthi Rao Bahadur Calavala Cunnan Chetty's Hindu College (DRBCCC HINDU College), Avadi, near Thiruvallur, Tamil Nadu, since December 2023. She holds a Ph.D. in Computer Science from St. Peter's Institute of Higher Education & Research (2023), M.Phil. in Computer Science from Prist University (2010), M.Sc. in Information Technology from Apollo Arts and Science College (2009), and a B.Sc. in Computer Science from Sri Muthukumaran Arts and Science College, Madras University (2007). She has also completed an M.C.A. through Bharathiar University School of Distance Education (2012) and brings over 10 years of cumulative teaching experience across multiple institutions in Tamil Nadu.

Dr. Mahalakshmi has established a strong research profile with publications in Scopus-indexed, IEEE, Web of Science (ESCI), UGC CARE, and Springer-indexed journals and conference proceedings. Her journal contributions include papers in the *International Journal of Advanced Trends in Computer Science and Engineering* (Scopus, 2019), *International Journal of Future Generation Communication and Networking* (Web of Science, 2021), *Nanotechnology Perceptions* (Scopus, 2024), and the *International Journal of Innovation Studies* (Scopus, 2025), among others. Her conference papers have been presented at IEEE ICSD (Dehradun, 2024), Springer ICICC 2024 (published in Lecture Notes in Networks and Systems), and ICAUC 2026 hosted by Shinawatra University, Bangkok (IEEE, January 2026). She has also published a book chapter in an IGI Global (USA) volume on Business Technology Strategies (September 2025, ISBN: 979-8-3693-9506-6), and presented her work at national and international platforms, including SRM Institute of Science and Technology.

She has filed two patents: "IoT-Based Newborn Child Theft Alert System" (Application No. 202041045418, 2022) and "Decentralized Autonomous Organization (DAO) Framework for Intelligent and Transparent Supply Chain Management" (Application No. 202521057217, 2025). In addition, Dr. Mahalakshmi has authored 12 academic books for undergraduate students (BCA, B.Sc. CS, B.Sc. CS with AI & DS), covering subjects such as Python Programming, Data Structures, Data Structures with Java, Desktop Publishing, Cloud Computing and IoT, Introduction to Data Science, Operating Systems, Data Mining, Web Technology, Advanced Networking, and Cloud Computing and Its Applications, published through VR1 Publications and DRBCCC HINDU College Publications.

Dr. Mahalakshmi has taught a wide range of UG and PG subjects, including Computer Vision, Computer Networks, Operating Systems, Data Structures and Algorithms, Internet of Things, Fuzzy Logic, Compiler Design, Web Technology, Multimedia, and Computer Graphics, along with several practical labs in C, C++, Java, Prolog, RDBMS, and web technologies. She has obtained certifications, including Oracle Cloud Infrastructure 2025 Certified AI Foundation Associate, NPTEL Elite certification in Introduction to IoT (96%) and Software Testing, and AICTE ATAL Academy training on Wearable Devices. She received the Best Assistant Professor Award from WEA Inspiring Educators 2024 and the Best Paper Award for her research contributions. Her core research interests span IoT in healthcare, cybersecurity and AI, machine learning, cloud computing, and computer science education.

Dr. Mahalakshmi actively participates in national and international seminars, Faculty Development Programmes, and webinars. She has attended FDPs organized by AICTE, Elsevier, MSME, and the University of Madras (Naan Mudhalvan), and completed online workshops in research writing, Python programming, cybersecurity, and AI-based application development. She is widely recognized for her dedication to student mentorship, her commitment to research, and her ability to bridge theory and practice in computing education.

