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Dr.R.Mythili, working as an Assistant Professor(Sl.G) in the Department of IT at SRMIST, Ramapuram. She is graduated in Computer Science and Engineering with University Xth rank from Bharathidasan University, Tamilnadu, India. She is post graduated in Master of Engineering in VLSI Design at College of Engineering, Guindy Campus, Anna University, Chennai, India. She has received her Ph.D in the emerging domain of Cybersecurity from SRM Institute of Science and Technology, Chennai, India. She has totally 20 years of Teaching & Industry experience in Computer Science domain. She is currently working research papers on Cybersecurity and Machine Learning Models. She has published 20+ research papers in SCI, WoS and Scopus Indexed Journals & International Conferences and having a patent under grant in the domain of Cybersecurity. She is an active member of ACM-W Professional Chapter, Chennai, ISTE & IAENG Life member. She has 3 certifications of Microsoft Technology Associate in DBMS, MS-Windows Server & Software Fundamentals and IBM's Blockchain Foundation Developer (with Acclaim badge).

Areas of Research:

Cybersecurity, Blockchain & Data Science.

Selected Publications:

SCI/Web of Science

- **Mythili, R.**, bama, B. S., Kumar, P. S., Das, S., Thatikonda, R., & Inthiyaz, S., “Radial basis function networks with lightweight multiscale fusion strategy-based underwater image enhancement”, Expert Systems, e13373., 2023.
- **Mythili R.**, Revathi Venkataraman, Sai Raj T, “An Attribute-Based Lightweight Cloud Data Access Control Using Hypergraph Structure”, Journal of Supercomputing, Vol. 16(8), August 2020.
- **Mythili R.**, Aditya Venkatakrishnan. T. Srinivasan. P, Yashwanth Sai Kumar, “A New Crop Yield Prediction System using Random Forest Combined with Least Squares Support Vector Machine”, Journal of Mechanics of Continua and Mathematical Sciences, Vol. 15(5), May 2020.
- **Mythili R.**, Revathi Venkataraman, Bhuvana R, Poorna R, Thiluzhika R, “BMAC: Blockchain-Based Media File Access for Healthcare Clouds”, International Journal of Grid and Distributed Computing, Vol. 13(1), pp. 587-593, March 2020.
- **R. Mythili**, P. N. Reddy, B. Keerthivasan and V. Sooriya, "Encrypted NAS using Raspberry Pi

4," 2021 5th International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT), Mysuru, India, 2021, pp. 675-680, doi: 10.1109/ICEECCOT52851.2021.9707921.

Scopus

- **Mythili R.**, Revathi Venkataraman, “Security Threats in Software Defined Mobile Clouds (SDMC)”, Journal of Communications Software and Systems, Vol. 12(2), pp. 105-111, June 2016.
- Ranjan, D., Agarwal, S., **Mythili, R.** Face mask detection using semantic region based convolutional neural networks. In AIP Conference Proceedings (Vol. 2405, No. 1, p. 030014). AIP Publishing LLC, April 2022.
- **Mythili, R.**, Venkataraman, R., Proof of policy (PoP): A new attribute-based blockchain consensus protocol. In Computational Methods and Data Engineering: Proceedings of ICMDE 2020, Volume 1 (pp. 451-464). Springer Singapore.
- Sangeetha, M., M. Kumaran, J. Perinbam and **R. Mythili**, “Hardware-Assisted Simulation and Evaluation of IP Cores”, Information Technology Journal, Vol. 7(1), pp. 195-199, 2008.

Book Publications

- **Dr. Mythili .R.**, Dr. Latha .M., Mr. B. Arulmozhi. (2022). Data Science using Python (1st ed.). NOTION PRESS, India. Singapore. Malaysia.
- Dr.R.Kavitha, **Dr.R.Mythili**, Dr.R.Deeptha, Mrs. B. Sathyabama. (2023). Introduction To Machine Learning (1st ed.), AGPH Books, Bhopal, M.P. India.

Book Chapters Publications

- **Mythili R**, Revathi Venkataraman, Neha Madhavan, H Gayathree, Balasubramanian, “A Reliable and Tamper Free Double Layered Vaccine Production and Distribution: Blockchain Approach”, Springer Book Series - Algorithms for Intelligent Systems.

Patents Granted

S.No.	Publication No.	Date of Grant Issue	Invention Title
1	378124-001	18/04/2023	ARTIFICIAL INTELLIGENCE-BASED LIQUID DISPENSER

Patents Published

S.No.	Publication No.	Date of Publication	Invention Title
1	201741030245 A	20/07/2018	A SECURED DATA TRANSMISSION SYSTEM AND METHOD THEREOF
2	202341003722 A	10/02/2023	ARTIFICIAL INTELLIGENCE BASED SMART CYBER ATTACK DETECTION IN IOT WIRELESS NETWORKS

Professional Membership

Member – ACM-W, IAENG, ISTE

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