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Dr. Rama Chaithanya Tanguturi is a Professor in the Department of Computer Science and Engineering (AI & ML) at SRMIST, Ramapuram, Chennai. He holds a Ph.D. in Computer Science and Engineering from Anna University (2016) and has been a Stanford University Innovation Fellow since 2018. With 15 years of teaching and research experience, he has played key administrative roles, including Director of Planning, Dean of R&D, and Vice-Principal. As a Senior Member of IEEE, he has delivered keynote addresses at various prestigious conferences. He actively contributes to advancements in artificial intelligence, business analytics, data-driven decision-making, and Blockchain. Dr. Chaithanya is dedicated to fostering collaborations, driving innovation, and industry-aligned learning.

Area of Research:

Artificial Intelligence, Machine Learning, Deep Learning, Healthcare Analytics and Blockchain.

Selected Publications:

1. P. V. V. Kishore, D. A. Kumar, R. C. Tanguturi, K. Srinivasarao, P. P. Kumar, and D. Srihari, "Joint Motion Affinity Maps (JMAM) and Their Impact on Deep Learning Models for 3D Sign Language Recognition," IEEE Access, vol. 12, pp. 11258-11275, 2024, doi: 10.1109/ACCESS.2024.3354775.
2. S. Vikruthi, M. Archana, and R. C. Tanguturi, "A Novel Framework for Vehicle Detection and Classification Using Enhanced YOLO-v7 and GBM to Prioritize Emergency Vehicle," International Journal of Intelligent Systems and Applications in Engineering, vol. 12, no. 1s, pp. 302–312, 2023.
3. L. K. Mohana, R. C. Tanguturi, P. Dubey, and D. Haripriya, "Area efficient low power VLSI of 2048-Point pipelined radix 16 MDC /FFT Processor for brain tumour detection using optimized deep dilated convolutional neural network,"

Measurement, vol. 246, 2025, 116691, doi: 10.1016/j.measurement.2025.116691.

4. S. R. Anand, R. C. Tanguturi, and S. R. D., "Blockchain based packet delivery mechanism for WSN," International Journal of Recent Technology and Engineering (IJRTE), vol. 8, no. 2, pp. 2277-3878, 2019. doi:10.35940/ijrte.B1627.078219.
5. S. Patibandla, M. Archana, and R. C. Tanguturi, "Object Tracking using Multi Adaptive Feature Extraction Technique," International Journal of Engineering Trends and Technology, vol. 70, no. 6, pp. 279-286, 2022, doi: 10.14445/22315381/ijett-v70i6p229.
6. X. A. Inbaraj and R. C. Tanguturi, "Need to know about combined technologies of Blockchain and machine learning," in Handbook of Research on Blockchain Technology, Academic Press, 2020, pp. 417–32. doi:10.1016/B978-0-12-819816-2.00017-4.

Patents:

1. ML-Based Cognitive Assistance Device for Alzheimer's, Ref.No. 202441095658, Published.
2. iDance Tutor: A 3D Digital Indian Classical Dance Motion Capture Tool, Ref.No. 202241037200, status: Published.
3. Laptop Lock, Ref No: 202041000837, Status: Published.
4. Smart City Surveillance, Ref No: 202041003103 Status: Published.
5. Designs Registered: 5

Professional Bodies:

1. Senior Member IEEE (Member ID: 2232980)
2. Life Member The Indian Society for Technical Education(ISTE)

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