

PROFILE

Name	Raja A
Position & Affiliation	Associate Professor, Department of Artificial Intelligence and Machine Learning
Areas of Interest	Edge Computing, Deep Learning, Computational Intelligence, Quantum Computing.
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Professional Webpage (if any)	

Educational Qualifications:

Ph.D	Pursuing in UVCE, Bangalore University	India	
MTech	MSRIT, Bangalore, VTU, Belgaum	India	2008
BE	GVIT, KGF, VTU, Belgaum	India	2003

Areas of Research:

1. Edge Computing
2. Cloud Computing
3. Machine Learning
4. Optimization Algorithms
5. Theoretical Computer Science

Brief Profile: (write about yourself)

I, Raja A presently working as an Associate professor in the Department of Artificial Intelligence and Machine Learning at Cambridge Institute of Technology, Bangalore. Pursuing PhD in Computer Science and Engg in UVCE, Bangalore University. A holds an M.Tech in Software Engineering from VTU, Belagavi in the year 2008. Obtained B.E in Information Science and Engineering from VTU, Belagavi. He has worked at Dr. T. Thimmaiah Institute of Technology, KGF and C Byregowda Institute of Technology, Kolar and has more than 19 years of teaching and research experience.

He has taught several courses for both UG and PG levels in the areas of Automata Theory and Formal Languages, Compiler Design, Cloud Computing, OOPs with C++, System Modeling and Simulation, Machine Learning, Web Technology, Probability Stochastic and Queuing Theory etc. His research area is Cloud, Fog Edge computing. He has guided several projects for both UG and PG students. He has published in more than 15 technical national, and international conferences and journals. He is a life member of IEA and a Member of IEEE.

Awards/Achievements/Others:

Courses Taught: Automata Theory and Computation, Compiler Design, System Modeling and Simulation, Problem Solving in C, OOPs with C++, Advanced Algorithms, Probability statistics and Queuing Theory, Storage Area Networks, Cloud Computing, File Structures, Unix Shell Programming, Network Security and Cryptography, Artificial Intelligence, Introduction Data Science etc.

Publications/Patents:

Publications

1. A,Raja, P M, Prathibhavani, and K R, Venugopal. "Improved ECC Cryptosystem Lightweight Authentication for SDN-based Edge Computing in IoT-enabled Healthcare Systems" ,Intelligent Decision Technologies, vol. Pre-press, no. Pre-press, pp. 1-23, DOI: 10.3233/IDT-230650, 2024.
2. A, Raja, Prathibhavani P M, and Venugopal K R. 2023. "Edge-Based Health Care Monitoring System: Ensemble of Classifier BasedModel". International Journal on Recent and Innovation Trends in Computing and Communication 11 (8s):32-50. <https://doi.org/10.17762/ijritcc.v11i8s.7173>.
3. Raja, A., U. Aruna, P. M. Prathibhavani, and K. R. Venugopal. "An Efficient Path Recognition Multi-Layered framework for Healthcare Critical Application." In 2023 IEEE 8th International Conference for Convergence in Technology (I2CT), pp. 1-7. IEEE, 2023.
4. Raja, A., K. S. Smitha, P. M. Prathibhavani, and K. R. Venugopal. "Multi-Layered Cardiac Arrhythmia Detection Using RMSE Method." In 2023 IEEE International Conference on Contemporary Computing and Communications (InC4), vol. 1, pp. 1-6. IEEE, 2023.
5. Raja, A., Sahana M S, P. M. Prathibhavani, and K. R. Venugopal. "Secure Communication Using Mutual Authentication in Light IoI" In 2024 IEEE International Conference on women in Innovation, Technology,, and Entrepreneurship(ICWITE 2024) ON 16-17 Feb 2024.
6. Raja A, P. M. Prathibhavani, and K. R. Venugopal,"Combined jelly-Snake optimization with Deep learning Architecture for Task offloading in Edge computing" in 2024 2nd Global Conference on Information Technologies and Communications(GCITC) on 25th - 27th of October 2024, at Reva University, Bangalore.
7. Preethi. D, Raja A,"CLOUD LOG REASSURING SOUNDNESS AND SECRECY THEME FOR CLOUD FORENSICS", International Journal of Emerging Technologies and Innovative Research (www.jetir.org | UGC and issn Approved), ISSN:2349-5162, Vol.7, Issue 8, page no. pp77-82, August-2020, Available at : <http://www.jetir.org/papers/JETIR2008313.pdf>
8. J. Sharon Christina , Raja A, "Block Chain Based Enabled Auditor Tracing over Sanitized outsource data with enhanced data integrity mechanism in cloud storage ",

	<p>International Journal of Emerging Technologies and Innovative Research (www.jetir.org UGC and issn Approved), ISSN:2349-5162, Vol.7, Issue 6, page no. pp401-405, June-2020, Available at : http://www.jetir.org/papers/JETIR2006399.pdf</p> <p>9. Preethi.s ,Raja.A, "TOWARDS DEADLINE GUARANTEED CLOUD STORAGE SERVICES", International Journal of Emerging Technologies and Innovative Research (www.jetir.org UGC and issn Approved), ISSN:2349-5162, Vol.6, Issue 6, page no. pp383-387, June 2019, Available at : http://www.jetir.org/papers/JETIR1906T45.pdf</p> <p>10. Raja A, Mydhili K Nair, U N Sinha, "New parallelization strategies for massively parallel computation of physical module of Varsha-GCM Software" National conference held on 06-03-2009 at Dr T Thimmaiah Institute of Technology, KGF</p> <p>11. Raja A, "Diagnosis of cardiovascular Abnormalities from compressed ECG using Data Mining approach" National conference held on 06-03-2011 at Dr T Thimmaiah Institute of Technology, KGF</p>
Patents	Smart City Data Monitoring Devices, Design Number 402931-001 dated 23/12/2023
Book/Book Chapters	Nil

Research and Consultancy:

Nil