

Lakshmi Ramani Burra

PERSONAL DATA

Address: 32-13-1/10, Boyapati Madhava Rao Street, Moghalraja Puram, Vijayawada- 10

Phone: +91-9963673916

E-mail: ramanimythili@gmail.com/blramani@pvpsiddhartha.ac.in

WORK EXPERIENCE

Current	Assistant Professor
	Department of Computer Science and Engineering
June 2008	PVP Siddhartha Institute of Technology
Oct. 2006	Lecturer
	Akkineni Nageswara Rao College - PG Center
June 2005	Gudivada
April 2005	Lecturer
	Sri Durga Malleswara Siddhartha Mahila Kalasala,
Nov. 2004	Vijayawada

EDUCATION

May 2020	Ph.D. in Computer Science and Engineering
	GITAM University
	Visakhapatnam
June 2008	M.Tech. in Computer Science and Engineering
	Acharya Nagarjuna University
	Nambur
June 2004	M.Sc. Mathematics
	Acharya Nagarjuna University
	Nambur

RESEARCH INTERESTS

- Artificial Intelligence
- Deep Learning
- Machine Learning
- Data Science
- Soft Computing

PUBLICATIONS

SCI Publications:

1. Lakshmi Ramani B., et al. "MobileNetV2-based Transfer Learning Model with Edge Computing for Automatic Fabric Defect Detection." *Journal of Scientific & Industrial Research (JSIR)* 2022.
2. Lakshmi Ramani B., et al. "Edge Intelligence with Light Weight CNN Model for Surface Defect Detection in Manufacturing Industry." *Journal of Scientific & Industrial Research (JSIR)* 2022. (In-Press)

Scopus Journals:

1. Lakshmi Ramani B., et al. "Deep learning and fuzzy rule-based hybrid fusion model for data classification." *International Journal of Recent Technology and Engineering* 8.2 (2019): 3205-3213.
2. Lakshmi Ramani B., et al. "OpenCV Algorithms for facial recognition." *International Journal of Innovative Technology and Exploring Engineering (IJITEE)* 8.8 (2019).
3. Padmaja, P., and B. Lakshmi Ramani. "Adaptive Fuzzy System with Robust GSCA-based Fuzzy Rule Extraction for Data Classification." *JARDCS* 10.01 (2018).
4. Lakshmi Ramani B. and Padmaja Poosapati. "Adaptive Lion Fuzzy System to Generate the Classification Rules using Membership Functions based on Uniform Distribution." *International Journal of Applied Engineering Research* 12.24 (2017): 14421-14433.

UGC-Approved Journals:

1. Lakshmi Ramani B., et al. "Driver Drowsiness Detection using Light Weight Deep CNN Models on NTHU-DDD." *Stochastic Modelling & Applications*, Vol. 26 No. 3 2022.
2. Lakshmi Ramani B., et al. "A Literature study of Fuzzy Rule Based Classifiers" in *International Journal of Scientific Research & Review*, Vol. 6, Issue 10, Oct, 2017.
3. Ramani, B. Lakshmi., et al. "Enhancing Cloud Security by DES through K-NN Computation" in *IOSR Journal of Computer Engineering*, 18/6, 2016.
4. Lakshmi Ramani B., et al. "A Study of Notations and Illustrations of Axiomatic Fuzzy Set Theory" in *International Journal of Computer Applications*, Volume 134- No.11, Jan 2016.
5. Lakshmi Ramani B., et al. "Cost Estimation model in Horizontal Partitioned Data Using Secure Association Rule Mining" in *International Journal for development of Computer Science and Technology*, 3/1, Nov - 2014.

Non-Scopus Indexed Journals:

1. Lakshmi Ramani B., "Sentiment Analysis on Big Data Using Machine Learning Algorithms." *Turkish Journal of Computer and Mathematics Education (TURCOMAT)* 12.9 (2021): 47-52.
2. Lakshmi Ramani B. et al. "Adaptive Sparse K-Means and Optimization Enabled Neural Network from Gene-Expression Data for Cancer Classification." *Turkish Journal of Physiotherapy and Rehabilitation* 32: 2.
3. Lakshmi Ramani B., et al. "Women's e-commerce clothing sentiment analysis by probabilistic model LDA using R-SPARK." *Materials Today: Proceedings* (2021).
4. Lakshmi Ramani B., et al. "Extreme Learning Model Based Phishing Classifier" in *International Journal of Recent Technology and Engineering (IJRTE)*, ISSN: 2277-3878, Volume-8 Issue-4, November 2019.
5. Lakshmi Ramani B., and Padmaja Poosapati. "A study of notations and illustrations of axiomatic fuzzy set theory." *International Journal of Computer Applications* 134.11 (2016): 7-12.
6. Lakshmi Ramani B., et al. "Decision Trees to Distribution-Based Approach" in *International Journal of Computer Science and Technology*, 4/4, Nov-2013.

7. Lakshmi Ramani B., et al. "Secure QR- Pay System with Ciphering Techniques in Mobile Devices" in *International Journal of Electronics and Computer Science Engineering*, 1/4, Nov-2012.
8. Lakshmi Ramani B., et al. "Hybrid Scheduling Policy for Combined Fault Tolerance in Grids" in *International Journal of Computer Engineering and Information Technology*, 23/1, Mar-2010.

Scopus Conferences:

1. Lakshmi Ramani, B., et al. "Recognition of Hand Gesture-Based Sign Language Using Transfer Learning." *Computer Communication, Networking and IoT. Springer, Singapore*, 2023. 95-103.
2. Lakshmi Ramani B., et al. "APMWM: Approach to Probe Malware on Windows Machine using Machine Learning." *2022 International Conference on Applied Artificial Intelligence and Computing (ICAAIC). IEEE*, 2022.
3. Lakshmi Ramani B. et al. "Iris Flower Classification by using Random Forest in AWS." *2022 6th International Conference on Intelligent Computing and Control Systems (ICICCS). IEEE*, 2022.
4. Lakshmi Ramani B., et al. "DPMLT: Diabetes Prediction Using Machine Learning Techniques." *2022 International Conference on Electronics and Renewable Systems (ICEARS). IEEE*, 2022.
5. Lakshmi Ramani B., et al. "Comparative Analysis of Customer Loan Approval Prediction using Machine Learning Algorithms." *2022 Second International Conference on Artificial Intelligence and Smart Energy (ICAIS). IEEE*, 2022.
6. Lakshmi Ramani B., et al. "A Novel Privacy Preserving Biometric Authentication Scheme Using Polynomial Time Key Algorithm In Cloud Computing." *2021 International Conference on Artificial Intelligence and Smart Systems (ICAIS). IEEE*, 2021.
7. Lakshmi Ramani B., et al. "Smart eye testing." *Advances in intelligent systems and computing*, 2021, ISCDA 2020, 1312 AISC (2021): 173-181.
8. Lakshmi Ramani B., et al. "Smart railway gate timings app: Monitoring of the Indian railway gates through a novel App." *International Conference on Smart Data Intelligence (ICSMDI 2021) (May 25, 2021) (2021)*.

9. Lakshmi Ramani B., et al. "Smart Camera for monkeys: A Novel IoT approach for detection and controlling the monkeys using YOLOv3." *2021 Fifth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC)*. IEEE, 2021.
10. Lakshmi Ramani B. et al. "Correction to: Smart Cyclones: Creating Artificial Cyclones with Specific Intensity in the Dearth Situations Using IoT." *Smart Technologies in Data Science and Communication*. Springer, Singapore, 2021. C1-C1.
11. Lakshmi Ramani B., et al. "Compute Intelligence automation for Eyesight Testing using IoT."
12. Lakshmi Ramani B., et al. "Tourism Enhancer App: User-Friendliness of a Map with Relevant Features." *IOP Conference Series: Materials Science and Engineering*. Vol. 981. No. 2. IOP Publishing, 2020.

Conferences:

1. Lakshmi Ramani B., et al. "Managerial Study of Layered Architecture to Integrate Mobile devices and Grid Computing" in *National Conference on Emerging Technologies*, NCET-08, and Lucknow during March-2008.
2. Lakshmi Ramani B., et al. "Performance analysis of Layered architecture to Incorporate Mobile devices and Grid computing with a resource scheduling algorithm" in *National conference on VLSI and Communication* conference at SAINTGITA College of Engineering, Kottayam held on 14th and 15th March 2008.

Book Chapters:

1. Lakshmi Ramani B., et al. "Eyesight Test through Remote Virtual Doctor Using IoT." *Smart Computing and Self-Adaptive Systems*. CRC Press, 2021. 83-95, eBook ISBN - 9781003156123.(Indexed in Scopus)

Patent Details:

1. Lakshmi Ramani B., et al. "Artificial Intelligence Based Content Identification System and Method Thereof", Application Number: 202241036639 A, in July 2022.
2. Lakshmi Ramani B., et al. "An Artificial Intelligence Based Medical Procedure Assessment and Intervention System and Method Thereof", Application Number: 202241027925 A, in May 2022.

ACHIEVEMENTS

1. Awarded Mentor Certificate for the NPTEL Online Certification Course “**Programming, Data Structures & Algorithms**”, Jan – Mar 2016.

CERTIFICATION COURSES

1. NPTEL certification on Accreditation of Undergraduate Engineering Programme - July 2021
2. Coursera certification course on Python for Everybody (Getting started with Python)
3. Coursera certification course on Python Data Structures.
4. NPTEL certification course on Data Science for Engineers.

AFFILIATION TO PROFESSIONAL BODIES

- Professional Member of **ACM**
- Life Member of **ISTE**
- Life Member of **ISSE**
- Life member of **ICSES**

KEY RESPONSIBILITIES

- NBA – Program Coordinator
- NBA – Criteria 3 Coordinator
- NAAC – Criteria 2 Member
- AICTE – CII Coordinator
- Curriculum Design Committee Member
- BOS Member