

Dr. NUTHANAKANTI BHASKAR BTech, MTech, Ph.D.

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	Date of Birth  16.09.1983	
 Personal	Sex  Male	
	Marital Status  Married	
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ORCID ID: 0000-0001-9852-1004	IEEE Membership No 99036306	
Scopus ID: 57213851964	CSI Membership No N1171209	
Vidwan-ID: 252406	ISTE Membership No LM123692	
Google Scholar ID: zmikAG4AAAAJ	IAENG Membership No 214471	
Researcher ID: AAS-3950-2021	Internet Society Membership No 183458	

CURRENT POSITION/AFFILIATIONS

1. Promoted as **Head of the Department**, Department of Computer Science and Engineering, CMR Technical Campus, Hyderabad, India. Since October 2024.
2. Promoted as **Associate Professor**, Department of Computer Science and Engineering, CMR Technical Campus, Hyderabad, India. Since December 2023.
3. **Assistant Professor**, Department of Computer Science and Engineering, CMR Technical Campus, Hyderabad, India. Since August 2011.
4. **Assistant Professor**, Department of Computer Science and Engineering, Balaji Institute of Technology and Science, Warangal, India. Since from April 2006 to July 2008.

BRIEF RESUME PROFILE

1. Highly Motivated with a Passion for **Quality Improvement** and **Performance Excellence**.
2. **Strategic and Operational Achievements in Academia**. Perceived for Excellence in Teaching, Training, and Research at Academic Institutions.
3. **Recognition as Research Supervisor** at **Visvesvaraya Technological University, Belagavi, Karnataka, India**.
4. Strong Focus on Delivering First Class Services in Teaching, and Research Community Services.
5. Recognition as **Editorial Board Member** of “**International Journal of Generative AI and Intelligent Computing**”. <https://ijgaic.com/index.php/ijgaic/Editorialboard>
6. **BOS Member** for the UG Programme B. Tech - CSE-AIML, Lords Institute of Engineering & Technology, Hyderabad on 28.04.2026.
7. **BOS Member** for the UG Programme B. Tech - CSE-AIML, Lords Institute of Engineering & Technology, Hyderabad on 18.06.2025.
8. **Inventor** in Indian Patents.
9. **Peer Reviewer** of International Journals like **Computers in Biology and Medicine**, **Journal of Integrated Science and Technology (J. Integr. Sci. Technol.)**, **Current Medical Imaging**, **Journal of Experimental & Theoretical Artificial Intelligence**, **Malaysian Journal of**

10. **Reviewer** for IEEE Conferences like ICICACS-2023, I3CS-2023, ICAISC-2023, ICDSNS-2023, AIKIE-2023, EASCT-2023, ICDCECE-2023, INDISCON-2023, NMITCON-2023, IEEE NKCon-2023, ICMNWC -2023, and ICRASET-2023.
11. **Session Chair** for 2nd International Conference on Integrated Circuits and Communication Systems (ICICACS-2024), H.K.E. Society's Sri M Visvesvaraya College of Engineering, Raichur, from 23rd to 24th February-2024.
12. **BOS Member** for the UG Programme B. Tech - Computer Science and Engineering, CMR Technical Campus, Hyderabad from 2019 to Till Date.
13. **Scientific Committee Member** for "Annual International Congress on Computer Science", from April 19-20, 2025, Oxford, United Kingdom / Online.

CAREER PROFILE

Research ID: https://www.webofscience.com/wos/author/record/AAS-3950-2021 Orcid: https://orcid.org/0000-0001-9852-1004 Google Scholar: https://scholar.google.com/citations?hl=en&user=zmikAG4AAAAJ LinkedIn Link: https://www.linkedin.com/feed/?trk=404_page
Background and Roles: HOD CSE, CSI MC Member, DAC Member, BOS member, NBA and NAAC, Research & Development, Presenting, Teaching in Computer Science and Engineering.
Educational Qualification
Ph.D. in Computer Science and Engineering (2017-2023) at Visvesvaraya Technological University , Belagavi, India. M Tech in Computer Science and Engineering (2008-2010) from Jawaharlal Technological University , Hyderabad, India. B Tech in Computer Science and Engineering (2002-2006) from Kakatiya University , Kothagudem, India.

Ph.D. THESIS TITLE

Title:	Detection and Classification of Malignancy in Lung CT Images using Deep Learning and Hybrid Neural Network Technique
Guide(s):	Dr Ganashree T S
Keywords:	Lung Cancer, Deep Learning, Lung Cancer Stages
University:	Visvesvaraya Technological University, Belagavi, India.
Completed Date:	02.11.2023
Abstract:	The present work in this thesis is addressed for lung cancer nodule classification, early-stage detection with its level and accuracy. The proposed work uses three standard datasets as LIDC, KDSB2017, and LUNA16 for the classification of lung cancer detection. In the proposed work, the images were pre-processed to enhance the quality of the image by using Multi-Scale Laplacian of Gaussian (LoG) filters and segmented using U-Net. The features were extracted by using Gaussian Mixture Convolutional Auto Encoder (GMCAE) and submitted as input to a Deep Neural Network (DNN) model for classification of lung cancer nodule. By this, the model has achieved the performance of 96% on LIDC, 74% on KDSB, and 93% on LUNA datasets, out of which the LIDC dataset records highest classification performance. To meet the objective of the proposed

	work the LIDC dataset has been considered for further experimentation to classify the lung cancer nodule and the size. Next, the VGG16 model is used for the specific task of identifying lung cancer from lung CT images. By this, the model has attained an accuracy of 99.83% as classification result. Further, this classification of malignant nodule considered and segmented using U-Net++ to know about the size of the lung nodule. Furthermore, Stage identification has been performed using TNM Staging on the T category often represented by numbers or letters, with higher values indicating larger or more advanced tumors, where T1 refers to a smaller tumor confined to the lung, and T4 indicates a larger tumor invading nearby structures. By concluding that, the Lung cancer classification is a critical task in medical imaging that involves identifying and distinguishing between cancerous and non-cancerous regions in lung CT scans. In this thesis, an attempt is made to implement a hybrid algorithm for detection, classification, stage identification of malignancy in lung CT images and found good results.
Appears in Departments	Department of Computer Science and Engineering

TECHNICALSKILLS

Software tools and Programming Languages	C, C++, Python, Java, Oracle, MySQL, Anaconda, Weka, MATLAB, WinRunner.
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EXPERIENCEATTHETEACHING

Experience	17 years(total)
Role	HOD, Teaching, Project guide, mentoring students on various research Topics, Academic Coordinator for student activities and workshop, FDP and STTP organizing.
Taught Courses for B. Tech and M.Tech	C, C++, Data Structures, Python, Java, DBMS, Operating Systems, FLAT, Web Technologies, Data Mining, PPL, Advanced Data Structures.

RESEARCH PROJECTS

1. Conducted “**Master training program on MyBharat**” at CMR Technical Campus, 21.06.2024, Funding Agency: Department of Youth Affairs, Ministry of Youth Affairs & Sports, Government of India (hereinafter referred to as DoYA), Grant Amount: Rs. 1,02,060.00.

CONSULTANCY

1. Completed “**Emotion detection using Facial recognition and Speech Recognition**” for Horizon Solutions, Grant Amount: Rs. 1,86,400.00.

SEED MONEY

1. Completed “**Heart Disease Identification using machine Learning Classification in e-healthcare**” at CMR Technical Campus, Grant Amount: Rs. 21,500.00.

BOOKS (4)

1. Engineering for Universal Healthcare, ISBN: 978-81-999806-6-2, 2026, Vaagai International Publishing House, Coimbatore, India.
2. Detection and Classification of Malignancy in Lung CT images using Deep Learning and Hybrid Neural Network Technique, ISBN: 978-81-996773-7-1, 2026, Tri-Crest Press, Telangana, India.
3. Artificial Intelligence and Machine Learning Applications in e-commerce, Digital Marketing, and Intelligent Supply Chain Systems, ISBN: 978-81-997922-8-9, 2026, Vaagai International Publishing House, Coimbatore, India.
4. Theory of Computation and Automata, ISBN: 978-93-6348-392-7, 2026, Leilani Katie Publication and Press, Tamil Nadu, India.

PATENT GRANTED (3)

1. DEVICE AND METHOD FOR INTELLECTUAL PROCESSING OF INFORMATION IN NEURAL NETWORK, Application No: 201741042152, Date of filing: 24.11.2017, Date of Grant: 28.07.2023.
2. AGRICULTURAL LANDSCAPE ANALYSING, Application No: 400994-001, Design Number: 400994-001, Date of filing: 30.11.2023, Date of Issue: 05.01.2024.
3. IOT ENABLED RESPIRATORY SENSING DEVICE, Design Number: 403541-001, Date of filing: 31.12.2023, Date of Issue: 01.03.2024.

PATENTS PUBLISHED (6)

1. FEDERATED AND DIFFERENTIAL PRIVACY-ENHANCED AUTOMATED DATA AGGREGATION FRAMEWORK FOR HETEROGENEOUS SMART CITY NETWORKS, Application No: 202441067814 A, Date of filing: 08.09.2024, Publication Date: 13.09.2024.
2. ADAPTIVE QUANTUM-INSPIRED RESOURCE ALLOCATION FOR DYNAMIC WORKLOAD BALANCING IN CLOUD ENVIRONMENTS, Application No: 202441050154 A, Date of filing: 01.07.2024, Publication Date: 05.07.2024.
3. DYNAMIC FIRE SUPPRESSION SYSTEM WITH 360-DEGREE COVERAGE: AN INTEGRATED APPROACH USING ADVANCED SENSORS AND SERVO MOTORS, Application No: 202441049327 A, Date of filing: 27.06.2024, Publication Date: 05.07.2024.
4. A KIND OF HIGH SHARING RETE NETWORK CONSTRUCTION METHOD, Application No: 202141062228 A, Date of filing: 31.12.2021, Publication Date: 04.02.2022.
5. Deep learning (DL) based lung-Cancer finding and classification system, Application No: 202141056823, Date of filing: 07.12.2021, Publication Date: 10.12.2021.
6. DEVICE AND METHOD FOR INTELLECTUAL PROCESSING OF INFORMATION IN NEURAL NETWORK, Application No: 201741042152, Date of filing: 24.11.2017, Publication Date: 31.05.2019.

INTERNATIONAL JOURNALS (5)

1. Optimal IoT application placement using quantum inspired evolutionary algorithm in fog computing environment. Discov Computing 29, 153 (2026).
[SCI, Q2, Scopus]
<https://doi.org/10.1007/s10791-026-10007-1>
2. An approach for liver cancer detection from histopathology images using hybrid pre-trained models, TELKOMNIKA (Telecommunication Computing Electronics and Control), vol.

22, no. 2, pp. 401–412, Apr. 2024, doi: 10.12928/TELKOMNIKA.V22i2.25588.

[ESCI, Scopus]

<http://doi.org/10.12928/telkomnika.v22i2.25588>

3. A FUSED 3D-2D CONVOLUTION NEURAL NETWORK FOR SPATIAL-SPECTRAL FEATURE LEARNING AND HYPERSPECTRAL IMAGE CLASSIFICATION, **J Theor Appl Inf Technol**, vol. 102, no. 5, 2024, pp. 2039-2049 Accessed: Apr. 03, 2024. [Online].

[Scopus]

Available: www.jatit.org

<https://www.jatit.org/volumes/hundredtwo5.php>

4. Pulmonary lung nodule detection and classification through image enhancement and deep learning, **International Journal of Biometrics (IJBM)**, vol. 15, no. 3–4, pp. 291–313, 2023, doi: 10.1504/IJBM.2023.130637.

[ESCI, Scopus]

<https://doi.org/10.1504/IJBM.2023.130637>

5. Image Description Generator using Residual Neural Network and Long Short-Term Memory, **Computer Science Journal of Moldova**, vol. 31, no. 1, pp. 3–21, 2023, doi: 10.56415/CSJM.V31.01.

[ESCI, Scopus]

<https://doi.org/10.56415/csjm.v31.01>

UGC-CARE JOURNALS (8)

1. Drug Traceability in HealthCare Supply Chain using Blockchain Technology, **International Journal of Engineering Development and Research (IJEDR)**, ISSN:2321-9939, Vol.14, Issue 2, Page No: 498-500, 2026.
<https://rjwave.org/ijedr/viewpaperforall.php?paper=IJEDR2602208>
2. Machine Learning-Based Detection of Autism Spectrum Disorder Using Classification Algorithm, **International Journal of Engineering Development and Research (IJEDR)**, ISSN:2321-9939, Vol.14, Issue 2, Page No: 451-455, 2026.
<https://rjwave.org/ijedr/viewpaperforall.php?paper=IJEDR26A1257>
3. A Deep Learning Model for Brain Stroke Detection Using CT Scans, **International Journal of Versatile Research and Analysis (IJVRA)**, ISSN: 2984-8903, Vol.4, Issue 3, Page No: 606-610, 2026.
<https://doi.org/10.56975/ijvra.v4i3.702262>
4. Blockchain - Based Decentralized Storage Design for Data Confidence Over Cloud - Native Edge Infrastructure, **International Journal of Versatile Research and Analysis (IJVRA)**, ISSN: 2984-8903, Vol.4, Issue 3, Page no: 622-627, 2026.
<https://doi.org/10.56975/ijvra.v4i3.702262>
5. Flood Forecasting System Using Federated Learning, **International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)**, Volume 6, Issue 5, Page No: 507-509, March 2026, DOI: 10.48175/568, ISSN: 2581-9429.
<https://www.ijarsct.co.in/A31962.pdf>
6. Transfer Learning Approach for Breast Cancer Detection Using Pre-Trained CNN Models on Mammogram Images, 2023, **International Journal of Engineering Sciences and Advanced Technology**, 23(11), Page: 217-224, ISSN No: 2250-3676.
https://ijesat.com/archivesa_view.php?pid=2095
7. Hospital Exigency Forecast, **Indian Journal of Technical Education**, vol. 46, Special Issue, pp. 47–51, ISSN: 0971-3034, 2023.
<http://www.isteonline.in/Datafiles/cms//Special%20Issues//Special%20Issue%20Nov%202023.pdf>
8. Detection of Cyberbullying on Social Media using Machine Learning, **Indian Journal of Technical Education**, vol. 46, Special Issue, pp. 118–121, ISSN: 0971-3034, 2023.

INTERNATIONAL CONFERENCES (59)

1. FEDLE-TD: A Federated Explainable Deep Learning Ensemble for Accurate and Private Thyroid Disease Diagnosis, 2025 IEEE International Conference on Intelligent Signal Processing and Effective Communication Technologies (INSPECT), Gwalior, India, 2025, pp. 1-6, doi: 10.1109/INSPECT67393.2025.11350303.
[IEEE Explore] [Scopus]
<https://ieeexplore.ieee.org/document/11350303>
2. AI Interview Assistant with Voice Analysis, 2026 International Conference on Computing, Electronics & Communications Engineering (ICCECE), Kolkata, India, 2026, pp. 1-7, doi: 10.1109/ICCECE69715.2026.11493147.
[IEEE Explore] [Scopus]
<https://ieeexplore.ieee.org/document/11493147>
3. MCP-AI: A Multi-Agent Architecture using Large Language Models for Automated Enterprise Project Allocation, 2026 Fourth International Conference on Augmented Intelligence and Sustainable Systems (ICAISS), Trichy, India, 2026, pp. 1712-1717, doi: 10.1109/ICAISS68683.2026.11525813.
[IEEE Explore] [Scopus]
<https://ieeexplore.ieee.org/document/11525813>
4. AI-Driven Mock Interviewer: Evolution in Students' Preparation, 2026 6th International Conference on Image Processing and Capsule Networks (ICIPCN), Dhulikhel, Nepal, 2026, pp. 441-448, doi: 10.1109/ICIPCN67432.2026.11438334.
[IEEE Explore] [Scopus]
<https://ieeexplore.ieee.org/document/11438334>
5. Hybrid Deep Ensemble Model for Detecting Highquality Face Morphing Attacks, 2025 International Conference on Data, Energy and Communication Networks (DECoN), Bhopal, India, 2025, pp. 1-6, doi: 10.1109/DECoN67170.2025.11447541.
[IEEE Explore] [Scopus]
<https://ieeexplore.ieee.org/document/11447541>
6. Design of an Interpretable ML Framework for Automated Stroke Prediction with Web Access for Early Action, 2025 International Conference on Innovations and Emerging Technologies In AI & Communication Systems (IETACS), Mohali, India, 2025, pp. 505-509, doi: 10.1109/IETACS68750.2025.11385770.
[IEEE Explore] [Scopus]
<https://ieeexplore.ieee.org/document/11385770>
7. Autonomous Landing Scene Recognition Based on Transfer Learning for Drones, 2025 International Conference on Innovations and Emerging Technologies In AI & Communication Systems (IETACS), Mohali, India, 2025, pp. 510-515, doi: 10.1109/IETACS68750.2025.11385324.
[IEEE Explore] [Scopus]
<https://ieeexplore.ieee.org/document/11385324>
8. Federated Learning for Flood Forecasting: Secure and Scalable Prediction Models Using FFNN and CNN2D Algorithms, 2025 International Conference on Innovations and Emerging Technologies In AI & Communication Systems (IETACS), Mohali, India, 2025, pp. 516-522, doi: 10.1109/IETACS68750.2025.11385441.
[IEEE Explore] [Scopus]
<https://ieeexplore.ieee.org/document/11385441>
9. Food Recognition and Calorie Estimation Using AI, 2025 International Conference on Innovations and Emerging Technologies In AI & Communication Systems (IETACS), Mohali, India, 2025, pp. 500-504, doi: 10.1109/IETACS68750.2025.11385532.

[IEEE Explore] [Scopus]

<https://ieeexplore.ieee.org/document/11385532>

10. The Reduction of Hadoop Map While Maintaining the Privacy and Balancing Dynamic Demand Across Data Notes. In: Gunjan, V.K., Zurada, J.M. (eds) Proceedings of 6th International Conference on Recent Trends in Machine Learning, IoT, Smart Cities and Applications. ICMISC 2025. Lecture Notes in Networks and Systems, vol 1738. Springer, Singapore.

[Scopus]

https://doi.org/10.1007/978-981-95-5085-2_9

11. A Comprehensive Learning for Effective U-Net for Perceptive Lung Cancer Identification. In: Joshi, A., Ragel, R., Mahmud, M., Kartik, S. (eds) ICT: Applications and Social Interfaces. ICTCS 2024. Lecture Notes in Networks and Systems, vol 1323. Springer, Singapore.

[Scopus]

https://doi.org/10.1007/978-981-96-4139-0_40

12. CARE CONNECT: Revolutionizing Healthcare through AI, 2025 8th International Conference on Circuit, Power & Computing Technologies (ICCPCT), Kollam, India, 2025, pp. 312-317, doi: 10.1109/ICCPCT65132.2025.11176716.

[IEEE Explore] [Scopus]

<https://ieeexplore.ieee.org/document/11176716>

13. Assessing the identification of fish diseases with image-based machine learning techniques in aquaculture, AIP Conf Proc, Volume 3342, Issue 1, 30 September 2025, doi: 10.1063/5.0296673.

[Scopus]

<https://pubs.aip.org/aip/acp/article-abstract/3342/1/030049/3365233/Assessing-the-identification-of-fish-diseases-with?redirectedFrom=fulltext>

14. A Novel Approach for Monitoring and Controlling Energy in Smart Homes. In: Madhavi, K.R., Ramrao, N., Kumar, T.K., Raju, K.S., Sellathurai, M. (eds) Proceedings of Sixth International Conference on Computer and Communication Technologies. IC3T 2024. Lecture Notes in Networks and Systems, vol 1357. Springer, Singapore.

[Scopus]

https://doi.org/10.1007/978-981-96-7477-0_47

15. Enhancing rainfall estimation with machine learning and geostatistical techniques: Integration of diverse data sources and Kriging, International Conference on AI Powered Technology Integration for Sustainability, AI-PTIS 2024, DOI: 10.1063/5.0280708

[Scopus]

<https://pubs.aip.org/aip/acp/article-abstract/3298/1/020049/3352069/Enhancing-rainfall-estimation-with-machine?redirectedFrom=PDF>

16. An Effective Digital Signature Wavelet Transformation-Based Reversible Digital Audio Watermarking System. Innovations in Communication Networks: Sustainability for Societal and Industrial Impact. ICDECT 2024. Lecture Notes in Networks and Systems, vol 1365. Springer, Singapore.

[Scopus]

https://doi.org/10.1007/978-981-96-5223-5_24

17. An Analytical Study on Proposing a Dynamic Allocation Methodology for Achieving Economic Load Equalization Using Virtual Machines in Cloud Computing. In: Bajaj, A., Abraham, A., Madhavi, K.R., Kriksuniene, D. (eds) Bio-Inspired Computing. IBICA 2023. Lecture Notes in Networks and Systems, vol 1232. Springer, Cham.

[Scopus]

https://doi.org/10.1007/978-3-031-78949-6_40

18. Enhancing the Protocol for Prolonged Node Longevity in WSNs via Low Energy Adaptive Hierarchy. Proceedings of the 15th International Conference on Soft Computing and Pattern Recognition (SoCPaR 2023). SoCPaR 2023. Lecture Notes in Networks and Systems, vol 1247. Springer, Cham.

[Scopus]

https://doi.org/10.1007/978-3-031-81086-2_51

19. An Advanced Forensic Image Processing Technique for CCTV Footage Augmentation of Corrupted Images. Proceedings of the 15th International Conference on Soft Computing and Pattern Recognition (SoCPaR 2023). SoCPaR 2023. Lecture Notes in Networks and Systems, vol 1246. Springer, Cham.
[Scopus]
https://doi.org/10.1007/978-3-031-88992-9_51
20. Evaluation on the Effectiveness of SVM-Based Image Processing Algorithms for the Identification and Classification of Lung Cancer. Proceedings of the 15th International Conference on Soft Computing and Pattern Recognition (SoCPaR 2023). SoCPaR 2023. Lecture Notes in Networks and Systems, vol 1243. Springer, Cham. https://doi.org/10.1007/978-3-031-81080-0_51
[Scopus]
https://link.springer.com/chapter/10.1007/978-3-031-81080-0_51
21. Improving Cardiac Arrest Prediction in PICU Through Gradient Boosting and Neural Networks, 2024 Asian Conference on Intelligent Technologies (ACOIT), KOLAR, India, 2024, pp. 1-7, doi: 10.1109/ACOIT62457.2024.10939395.
[IEEE Explore] [Scopus]
<https://ieeexplore.ieee.org/document/10939395>
22. Combining Federated Learning and Blockchain for Enhanced Traceability in Agricultural Supply Chains, 2024 International Conference on IoT, Communication and Automation Technology (ICICAT), Gorakhpur, India, 2024, pp. 1120-1125, doi: 10.1109/ICICAT62666.2024.10923285.
[IEEE Explore] [Scopus]
<https://ieeexplore.ieee.org/document/10923285>
23. An Automated System Pre-Trained to Identify Cardiovascular Disorders from ECG Pictures, 2024 Second International Conference on Advanced Computing & Communication Technologies (ICACCTech), Sonipat, India, 2024, pp. 856-861, doi: 10.1109/ICACCTech65084.2024.00140.
[IEEE Explore] [Scopus]
<https://ieeexplore.ieee.org/document/10918460>
24. They Way of Utilising A Anatomical Based Drones in NGMN A Detailed And Intensiveperformance Analysis, 2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE), Greater Noida, India, 2024, pp. 1551-1554, doi: 10.1109/ICACITE60783.2024.10616825.
[IEEE Explore] [Scopus]
<https://ieeexplore.ieee.org/document/10616825>
25. Eyecheck Diabscan: A Productive Approach for Few-Shot Excellence in Retinopathy Diagnosis, 2024 Second International Conference on Advanced Computing & Communication Technologies (ICACCTech), Sonipat, India, 2024, pp. 452-457, doi: 10.1109/ICACCTech65084.2024.00080.
[IEEE Explore] [Scopus]
<https://ieeexplore.ieee.org/document/10918497>
26. Drug Review Classification by Using Sentiment Analysis. Intelligent Systems and Sustainable Computing. ICISSC 2024. Smart Innovation, Systems and Technologies, vol 417. Springer, Singapore.
[Scopus]
https://doi.org/10.1007/978-981-97-8355-7_10
27. Deep Convection Network (DCNN) to Precisely Identify Distortions on Just Noticeable Difference (JND) for Assessing the Quality of Photo Compression, 2024 1st International Conference on Sustainable Computing and Integrated Communication in Changing Landscape of AI (ICSCAI), Greater Noida, India, 2024, pp. 1-4, doi: 10.1109/ICSCAI61790.2024.10866687.
[IEEE Explore] [Scopus]
<https://ieeexplore.ieee.org/document/10866687>
28. Dense Net Built on Relying Generative Adversarial Networks for Conceptualizing a Generative Adversarial Network Image Denoising. Cybernetics, Human Cognition, and Machine Learning in Communicative Applications. Cognitive Science and Technology. Springer, Singapore.

- [Scopus]
https://doi.org/10.1007/978-981-97-8533-9_14
29. Design of an Automated Smart Waste Management Systems Using CNN. Signal Processing, Telecommunication and Embedded Systems with AI and ML Applications. ICMEET 2023. Lecture Notes in Electrical Engineering, vol 1281. Springer, Singapore.
- [Scopus]
https://doi.org/10.1007/978-981-97-8422-6_23
30. Comparative Analysis of Morphological Functions for Object Detection in Video Processing. Smart Computing Paradigms: Artificial Intelligence and Network Applications. SCI 2024. Lecture Notes in Networks and Systems, vol 1147. Springer, Singapore.
- [Scopus]
https://doi.org/10.1007/978-981-97-7880-5_39
31. Enhanced Rainfall Prediction: Leveraging Ensembling Models for Maximum Forecasting Performance, 2024 1st International Conference on Advanced Computing and Emerging Technologies (ACET), pp. 1–7, Aug. 2024, doi: 10.1109/ACET61898.2024.10730543.
- [IEEE Explore] [Scopus]
<https://ieeexplore.ieee.org/document/10730543>
32. Biomimetic and Biological Sensing Technologies for the Assessment of Water Contaminants, 2024 1st International Conference on Advanced Computing and Emerging Technologies (ACET), pp. 1–8, Aug. 2024, doi: 10.1109/ACET61898.2024.10730324.
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33. FloraNet: An Approach to Prediction of Sea Buckthorn Disease based on a Convolutional Neural Network and a Random Forest Method, 2024 5th International Conference for Emerging Technology (INCET), Belgaum, India, 2024, pp. 1-6, doi: 10.1109/INCET61516.2024.10593039.
- [IEEE Explore] [Scopus]
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34. Comprehensive Testing Strategies for Water Purity by Assessing and Eliminating Viruses and Bacteria using Machine Learning algorithms, 2024 International Conference on Communication, Computer Sciences and Engineering (IC3SE), Gautam Buddha Nagar, India, 2024, pp. 919-925, doi: 10.1109/IC3SE62002.2024.10593627.
- [IEEE Explore] [Scopus]
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35. Emotion Recognition Through Speech. Proceedings of 4th International Conference on Recent Trends in Machine Learning, IoT, Smart Cities and Applications. ICMISC 2023. Lecture Notes in Networks and Systems, vol 873. Springer, Singapore.
- [Scopus]
https://doi.org/10.1007/978-981-99-9442-7_69
36. Automated Pest Detection Using Image Classification. Proceedings of 4th International Conference on Recent Trends in Machine Learning, IoT, Smart Cities and Applications. ICMISC 2023. Lecture Notes in Networks and Systems, vol 873. Springer, Singapore.
- [Scopus]
https://doi.org/10.1007/978-981-99-9442-7_68
37. NASDAQ Stock Value Prognosis—A Comparative Scrutiny Using Deep Learning and Machine Learning Models. Proceedings of 4th International Conference on Recent Trends in Machine Learning, IoT, Smart Cities and Applications. ICMISC 2023. Lecture Notes in Networks and Systems, vol 873. Springer, Singapore.
- [Scopus]
https://doi.org/10.1007/978-981-99-9442-7_67
38. Congestion Control and Avoidance Scheme Using Mobile Nodes in Wireless Sensor Network.

[Scopus]

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39. An Image Processing Approach for Weed Detection Using Deep Convolutional Neural Network. Soft Computing and Signal Processing. ICSCSP 2023. Lecture Notes in Networks and Systems, vol 840. Springer, Singapore.

[Scopus]

https://doi.org/10.1007/978-981-99-8451-0_25

40. An Automated Smart Plastic Waste Recycling Management Systems. Soft Computing and Signal Processing. ICSCSP 2023. Lecture Notes in Networks and Systems, vol 840. Springer, Singapore.

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ACHIEVEMENTS AND AWARDS (12)

1. **Coordinator Appreciation** Certificate “**HACKFUSION-2K26**” during 3rd & 4th April 2026 organized by JNTUH in association with Brain o vision Solution India Pvt. Ltd.
2. **Appreciation** Certificate for “**Sensors and Actuators**” Course Jan-April 2026 by NPTEL.
3. **Best Paper Award** “An Automated System Pre-Trained to Identify Cardiovascular Disorders from ECG Pictures”, 2024 Second International Conference on Advanced Computing & Communication Technologies (ICACCTech 2024) organized by Novel Research Foundation in association with Jan Wyżykowski University, Polkowice, Poland & BM Institute of Engineering and Technology, Sonipat, Haryana at Ethnic India, Rai, Sonipat, Delhi-NCR, India on **16-17 November 2024**.
4. Awarded “**Emerging Scholar in Teaching Excellence**” during the Srinivasa Ramanujan Segment from AIMERS Society on **02.04.2024**.
5. **Session Chair** for 2nd International Conference on Integrated Circuits and Communication Systems (ICICACS - 2024), H.K.E. Society's Sir M Visvesvaraya College of Engineering, Raichur during **23rd and 24th February 2024**.
6. **Best Paper Award** “Classification of Skin Disease using CNN”, 2023 International Conference on Evolutionary Algorithms and Soft Computing Techniques (EASCT) organized by R V Institute of Technology and Management, Bengaluru, India on **20-21 October 2023**.
7. Awarded “**Letter of Appreciation**” for spreading awareness and holding Software Training workshops at CMR Technical Campus from Spoken Tutorial Project, IIT Bombay on **24th August 2023**.
8. Awarded “**Certificate of Appreciation**” as Mentor for the NPTEL Online Certification Course on “Introduction to Research”, **July-December 2021**.
9. Awarded **First Prize** as a Supervisor for “Twitter Sentimental Analysis to Predict Election Results” in “**IEEE National Level Project Expo-2021**” at Vardhaman College of Engineering, Hyderabad on **24th July 2021**.
10. Awarded “**Primary Evaluator**” for exceptional contribution in “**Toycathon 2021**”.
11. Awarded “**Longest Continuous SBC 2016-17**” under **CSI Academic Awards** on **21st January 2018**.
12. Awarded “**Longest Continuous SBC 2015-16**” under **CSI Academic Awards** on **10th December 2016**.

CERTIFICATION COURSES

1. Successfully Completed **NPTEL Course** on **Edge Computing**.
2. Successfully Completed the following **Coursera Certification Courses**: AI For Everyone, Convolutional Neural Networks, Data Collection and Processing with Python, Improving Deep Neural Networks: Hyperparameter tuning Regularization and Optimization, Introduction to Data Science, Neural Networks and Deep Learning, Programming for Everybody (Getting Started with Python), Python Basics, Python Classes and Inheritance, Python Data Structures,

Python Functions Files and Dictionaries, Sequence Models, and Structuring Machine Learning Projects.

3. Successfully Completed the following **IIT Bombay Spoken Tutorial Courses**: Python 3.4.3, Arduino, R, and Scilab.
4. Successfully Completed **NPTEL Course on Introduction to Internet of Things**.
5. **NVIDIA Deep Learning Institute** Certificate of Competency is awarded in the completion of “Fundamentals of Deep Learning for Multiple Data Types”.

PARTICIPATION IN WORKSHOPS

1. 5-day workshop on “**Emerging Trends 2.0**” by Bit Institute of Technology - Hindupur in Association with Huddle Rise Academy -Bangalore from 7 June 2021 to 11 June 2021.
2. 5-day workshop on “**Hands on Machine Learning & Artificial Intelligence**” by TBI, BITS Pilani, Hyderabad in collaboration with Brainlabs. Ai from 27thJuly - 31stJuly 2020.
3. 2-day workshop on “**Knowledge ++**” by L&T Infotech, Bangalore in the name of Campus Springboard from 13th to 14th February 2015.

PARTICIPATION IN FDP's

1. 1-Week FDP on “AI Powered Data Visualization using Tableau and Power BI”, WOW Light Signal-AI Academy in association with IETE Vijayawada from 1-06-2026 to 05-06.2026.
2. 8-Weeks FDP on “Edge Computing” by NPTEL in 2026.
3. 5-Day FDP on “**Fundamentals of Machine Learning**” Conducted by Electronics & ICT Academy, C-DAC Hyderabad from 20.12.2024 to 24.12.2024.
4. One Week ATAL FDP on “**The Revolution of Large Language Models (LLMs) in Artificial**” at Vidya Jyothi Institute of Technology from 18.11.2024 to 23.11.2024.
5. One Week National Level PDP on “**Deep Learning for Computer Vision and its Applications**” organized by the department of CSE-AIML & IoT, VNRVJiet, Hyderabad from 6th to 11th Feb 2024.
6. One Week Professional Development Programme on “**Data Science Mastery**” Organized by Department of CSE - (CyS, DS) and AI & DS, VNR Vignana Jyothi Institute of Engineering and Technology from 05th Feb to 10th February 2024.
7. 4-day FDP on “**Large Language Models in Artificial Intelligence**” jointly conducted by Andhra Pradesh Information Technology Academy, a Unit of Department of IT & ES, Government of Andhra Pradesh and Blackbuck Engineers Pvt Ltd from 04 Oct 2023 - 07 Oct 2023.
8. 1-Week FDP on “**Foundations of Data Science**” by Department of CSE (AI&ML and IoT) and CSE, VNR Vignana Jyothi Institute of Engineering and Technology from 2nd to 7th August 2022.
9. 1-Week FDP on “**Emerging Trends in Artificial Intelligence**” organized by Bhimavaram Institute of Engineering & Technology and Blackbuck Engineers Pvt Ltd from 25th to 31st May 2022.
10. 1-Week FDP on “**R Programming: A Practical Approach**” by Department of CSE(Data Science, Cyber Security and Artificial Intelligence & Data Science), VNR Vignana Jyothi Institute of Engineering and Technology from 9th May 2022 to 14th May 2022.
11. 1-Week FDP on “**Multi Technology**” organized by the Department of Computer Science & Engineering, Vasavi College of Engineering in association with NYCI and Brainovision Solutions India Pvt. Ltd from 28th June 2021 to 03rd July 2021.
12. 1-Week FDP on “**Recent Advancements in Machine Learning & Deep Learning**” by Department of CSE, In collaboration with VNR CSI SC from 26th to 30th April 2021.
13. 2-Week FDP on “**Python Programming**” by APSSDC, Govt. of A.P. from 03.08.2020 to 15.08.2020.
14. 5-day FDP on “**Emerging Trends in Ethical Hacking & Cyber Security**” organised by

Department of CSE, Hindusthan Institute of Technology, Coimbatore from 6th July 2020 to 10th July 2020.

15. 2-weeks FDP on “**Machine Learning for Computer Vision**” jointly organized by Electronics and ICT Academies under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” of the Ministry of Electronics and Information Technology (MeitY), Government of India during June 29- July 8, 2020.
16. 5-Day FDP on “**Artificial Intelligence**” organized by Departments of CSE and IT, Malla Reddy Institute of Engineering and Technology Hyderabad in association with Webtek Labs Pvt. Ltd from 27-05-2020 to 31-05-2020.
17. 5-day FDP on “**Cyber Security**” organised by Department of CSE, Vaagdevi College of Engineering in association with Supraja Technologies from 23 May 2020 to 27 May 2020.
18. 5-day FDP on “**Artificial Intelligence and Machine Learning**” organised by Department of CSE, CMR Technical Campus in association with Blackbuck PVT LTD from 18 May 2020 to 22 May 2020.
19. 3-day FDP on “**Improving Your Research Visibility – Research Impact and Metrics**” jointly organized by Research and Development Cell and Internal Quality Assurance Cell, Velalar College of Engineering and Technology, Tamilnadu from 11th May to 13th May 2020.
20. 5-day FDP on “**Internet of Things (IOT)**” organised by Department of CSE, CMR Technical Campus in association with Cloudchip Technologies PVT LTD from 4th- 8th May 2020.
21. 5-day AICTE Recognized FDP on “**Internet of Things**” Conducted by Computer Science and Engineering Department, NITTTR Chandigarh from 10.04.2020 to 14.04.2020.
22. 1-Week FDP on “**Natural Language Processing**” jointly organized by Electronics and ICT Academies held from 6th to 10th January 2020.
23. 5-day FDP on “**Innovative and Effective Methods of Teaching-Learning Strategies**” organised by Teaching-Learning Centre, CMR Technical Campus from 13th to 17th May 2019.
24. 1-Week FDP on “**AI and Machine Learning**” jointly organized by Electronics and ICT Academies held from 23rd to 27th December 2019.
25. 3-Day FDP on “**Faculty Development Program for Student Induction (FDP-SI)**” at G. Pulla Reddy Engineering College, Kurnool organized by AICTE from 19th to 21st December 2019.
26. 1-Week FDP on “**Deep Learning and Applications**” jointly organized by Electronics and ICT Academies held from 09th to 13th December 2019.
27. 1-Week FDP on “**Python Programming with Industry Perspective**” jointly organized by Electronics and ICT Academies held from 02nd to 06th December 2019.
28. 1-Week FDP on “**Machine Learning and Data Science with Practical Approach for Engineering Applications**” by Department of CSE, CMR Technical Campus in association with CSI from 3rd July 8th July 2017.

CONDUCTED WORKSHOPS

1. 2-Day Workshop on “**Machine Learning**” organized by Department of CSE, CMR Technical Campus from 6th – 7th January 2023.
2. 2-Day Workshop on “**ARDUINO**” in association with Centre of Excellence-Internet of Things, CMR Technical Campus from 16th – 17th October 2017.

CONDUCTED FDP's

1. 1-Week FDP on “Excellence in Teaching and Learning: OBE, Digital Innovation and Research Practices” at CMR Technical Campus from 15-06-2026 to 20-06-2026.
2. 1-Week FDP on “Microsoft Power BI” in Association with ICT Academy, CMR Technical Campus from 3rd to 7th October 2023.
3. 5-day FDP on “**Full-Stack Web Development with React.JS and Node.Js**” in Association with Coign Consultancy Pvt Ltd, CMR Technical Campus from 25th to 30th September 2023.
4. FDP on “**Research Methodologies and Preparation of Research Proposals**” organized by

EXTRA ACTIVITIES

1. Appointed B. Tech CSE III Year IOMP **External Examiner** for Malla Reddy College of Engineering on 10.04.2026.
2. Appointed B. Tech CSE IV Year Mini-Project **External Examiner** for Malla Reddy Institute of Engineering and Technology on 04.12.2024.
3. Conducted **Bridge Course** for Lateral Entry Students from 04.09.2023 to 16.09.2023 at CMR Technical Campus.
4. Faculty Advisor for a Team Participated in “**Technovanza Internal Hackathon for Smart India Hackathon 2020**” held at CMR Technical Campus from 9th to 10th January 2020.
5. Participated in **Blood Donation Camp** by the Osmania General Hospital on 22nd February 2017.
6. Mentored in **SWAEROTECH SUMMER CAMP** from 25.05.2015 to 07.06.2015 at CMR Technical Campus organized by Mundhadugu Organization and funded by Telangana Social Welfare Residential Educational Institutions Society, Govt. of Telangana.
7. The project title "**DASH BOARD TO COLLECTOR**" was done by Khammam in the period from February 2006 to April 2006 in partial fulfillment of the B.Tech (CSE) degree in association with Jawahar Knowledge Center.
8. Participated in **Mandal Level Tournament** at A.P. Sports School, Hakeempet on 21st December 1998 in the event of Volleyball.
9. Sports: Cricket, Volleyball, Disc Throw

REFERENCES

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DECLARATION:

I consider myself familiar with **Computer Science and Engineering** aspects. I am also confident in my ability to work in a team. I hereby declare that the information furnished above is true to the best of my knowledge.

(Dr. Nuthanakanti Bhaskar)