





Dr. JAGADEESH M S

Curriculum Vitae

 Date of Birth: **03-07-1984**  9247880488, 7670880488
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 Web of Science ResearcherID: ABE-9720-2021
 Scholar ID: <https://scholar.google.com/citations?user=0GqVx1gAAAAJ&hl=en>



Current Details

- Associate Professor, Computer Science and Engineering, **National Institute of Technical Teachers' Training and Research Kolkata, West Bengal**

Research Experience(Full-Time 5 Years)

- Thesis Title: **Identification of Informative COVID-19 Tweets using Artificial Intelligence Techniques.** - National Institute of Technology, Trichy, Tamilnadu.

Employment History(Teaching:10-Industry:2.4- Research:5)

Teaching (Experience: 10 Years)

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| 2025 – Present | Associate Professor, Computer Science and Engineering, National Institute of Technical Teachers' Training and Research Kolkata, West Bengal |
| 2025 – 2025 | Associate Professor, Computer Science and Engineering, Manipal Institute of Technology (MIT), Manipal Academy of Higher Education, Bengaluru Campus. |
| 2022 – 2025 | Assistant Professor Sr. Grade-2, School of Computer Science and Engineering, VIT-AP, Amaravathi, Andhra Pradesh. |
| 2021 – 2022 | Assistant Professor Grade-2, Department of Artificial Intelligence, Shri Vishnu Engineering College for Women, Bhimavaram, West Godavari(Dist), Andhra Pradesh. |
| 2019 – 2021 | Research Teaching Associate, Department of Computer Applications, National Institute of Technology, Trichy, Tamilnadu. |
| 2014 – 2016 | Associate Professor, Department of Computer Science and Engineering, ASK College of Technology and Management, Anakapalli, Vishakapatnam. |
| 2011 – 2014 | Assistant Professor Grade-1, Department of Computer Science and Engineering, Dadi Institute of Engineering and Technology, Anakapalli, Vishakapatnam. |

Software Industry (Experience: 2.4 Years)








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| 2007 – 2009 | Sr. Application Developer, Department of Software(IT), Navata Road Transport, Vijayawada. |
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Education







- 2016 – 2021  **Full-Time Ph.D., National Institute of Technology, Trichy, Tamilnadu.**
Thesis title: *Identification of Informative COVID19 Tweets using Artificial Intelligence Techniques*(Awarded)
Research supervisor:
Dr P J A Alphonse, Professor, HoD, Department of Computer Applications, NIT Trichy.
- 2009 – 2011  **M.Tech., College of Engineering (A) - Andhra University, Visakhapatnam in Artificial Intelligence & Robotics.**
Thesis title: *Minimizing File download Time in stochastic peer-to-peer networks.*
Supervisor:
Dr. K Venkata Rao, Professor, Computer Science and Systems Engineering, College of Engineering (A), Andhra University, Visakhapatnam.
- 2002 – 2006  **B.Tech., Vignan Institute of Information and Technology (Affil JNTU Hyderabad) - Visakhapatnam in Computer Science and Engineering.**

Research Publications






Academic Journals (SCI/SCIE=8, ESCI=1, Scopus=1, Under Review=3)

- 1-2024  B. N. Jagadeesh¹, N.V. RajaSekhar Reddy, Pamula Udayaraju, Vijay Kumar Damera, Ramesh-Vatambeti, M. S. Jagadeesh, Ch. Koteswararao. "Enhanced stock market forecasting using dandelion optimization-driven 3D-CNN-GRU classification" **Scientific Reports. IF 3.8- SCIE**
- 2-2024  Malla, SreeJagadeesh, Kalpana A V, Geetha Vijayaraghavan, and Shobana J. "Secure 3D: Secure and Energy Efficient Localization in 3D Environment using Wireless Sensor Networks" **Wireless Personal Communications. IF 2.2- SCIE**
- 3-2024  T. D. N. Pavani, and Malla, SreeJagadeesh "A review of deep learning techniques for disaster management in social media: trends and challenges" *The European Physical Journal Special Topics (2024)* **Springer- Q2 - 2.891- SCI**
- 4-2024  L Kranthi Kumar, Malla, SreeJagadeesh, and P. J. A. Alphonse. "Artificial intelligence-based framework to identify the abnormalities in the COVID-19 disease and other common respiratory diseases from digital stethoscope data using deep CNN" *Health Information Science and Systems. Springer* **SCI-6.0 -Q1- SCI**
- 5-2023  Malla, SreeJagadeesh, L Kranthi Kumar and P. J. A. Alphonse. "Novel fuzzy deep learning approach for automated detection of useful COVID-19 tweets" *Artificial intelligence in medicine. Elsevier* **SCI-7.5 -Q1- SCI**
- 6-2023  Malla, SreeJagadeesh, and PK Jakkulla, KM Ganesh, PK Jayapal, and SB Chandanapalli . "Selection of Features Using Adaptive Tunicate Swarm Algorithm with Optimized Deep Learning Model for Thyroid Disease Classification" *Ingenierie des Systemes d'Information* **Springer - Q2 - Scopus**
- 7-2022  Malla, SreeJagadeesh, and P. J. A. Alphonse. "Fake or real news about COVID-19? Pretrained transformer model to detect potential misleading news." *The European Physical Journal Special Topics (2022): 1-10. Springer- Q2 - 2.891- SCI*



Research Publications (continued)

- 8-2022  Malla, SreeJagadeesh, and P. J. A. Alphonse. "An Improved Machine Learning Technique For Identify Informative Covid-19 Tweets" *International Journal of System Assurance Engineering and Management* **Springer - Q2 - ESCI**
- 9-2022  Malla, SreeJagadeesh, and et.al. "Enhanced Route Optimization for Wireless Networks Using Meta-Heuristic Engineering" *Computer Systems Science and Engineering* **TechScience Press. Q3 - IF 1.486- SCIE**
- 10-2021  Malla, SreeJagadeesh, and P. J. A. Alphonse. "COVID-19 outbreak: An ensemble pre-trained deep learning model for detecting informative tweets." *Applied Soft Computing* 107 (2021): 107495. **Elsevier - Q1-IF -8.7 - SCIE**
- 11  Malla, SreeJagadeesh, Siva Prasad Bellamkonda, V. Sravanthi, Sri Krishnadevarayalu and A.V.Kalpna "Disaster Tweet Classification: A Comprehensive Survey of Methods and Applications Based on Recent Research" *Social Network Analysis and Mining: Springer, Q1-IF -2.3, ESCI, Under Review*
- 12  Malla, SreeJagadeesh, and et.al. "Analysis of Social Media Sentiments in the Russia-Ukraine Conflict using NLP and ML Methods" *Journal of Intelligent Information Systems* **Springer, Q2-IF -2.5, SCIE, Under Review**
- 13  Malla, SreeJagadeesh, Abbaraju Sai Sathwik, Bheri Saiteja and Bogineni Harshit "Enhancing Epileptic Seizure Recognition with BiLSTM and CNN Models: (A Data-Driven Approach to Precision Neurological Diagnosis)" *Health Information Science and Systems* **Springer, Q2-IF -4.5, SCIE, Under Review**







Academic Conferences (Int.Conferences=5, Nat. Conferences=2)

- 1  VL Kasyap, VS Bhagavan, MS Jagadeesh "Graph Neural Networks based Model for Aroma Prediction using Molecular Structures." 2022 *IEEE 3rd Global Conference for Advancement in Technology (GCAT)*, 1-6 **Scopus Indexed.**
- 2  LK Kumari, BN Jagadesh, MS Jagadeesh, V Eswari "A Convolutional Neural Network for Mammogram based Breast Cancer Detection." 2024 *2nd International Conference on Intelligent Data Communication Technologies and Internet of Things (IDCIoT)*, 704-708 **IEEE, Scopus Indexed.**
- 3  MS Jagadeesh, Alen Sebastian Veliyathuparamban, NKV Manasa, Adarsh Suresh Menon, BN Jagadesh, DR Kumar Raja "A Unified Approach for Weed Detection in Arable Acreage Using RetinaNet Architecture." 2024 *2nd International Conference on Intelligent Data Communication Technologies and Internet of Things (IDCIoT)*, 641-647 **IEEE, Scopus Indexed.**
- 4  Varanasi LVSKB Kasyap, MS Jagadeesh, VS Bhagavan "Early Detection of ColoRectal Cancer Using Patch-Based Hybrid Model and Transfer Learning" *Computational Vision and Bio-Inspired Computing: Proceedings of ICCVBIC 2022*, 87-97 **Springer Scopus Indexed.**
- 5  Malla, SreeJagadeesh, and P. J. A. Alphonse. "NIT_COVID-19 at WNUT-2020 Task 2: Deep Learning Model RoBERTa for Identify Informative COVID-19 English Tweets" *Proceedings of the Sixth Workshop on Noisy User-generated Text (W-NUT 2020)*, 450-454 **Scopus Indexed.**



Research Publications (continued)

- 6  Malla, SreeJagadeesh, and P. J. A. Alphonse. "A Novel approach to detect Offline social Communities based on Unique Identification Number" *International Conference on Frontiers in Engineering, Applied Sciences & Technology, Department of Computer Applications, NIT Trichy, India(2018)*
- 7  Malla, SreeJagadeesh, and P. J. A. Alphonse. "Improved PageRank Algorithm Mainly based on Domain Age and Unique visitors" *International Conference on Operations Research and Decision Sciences(ICORDS), Indian Institute of Management(IIM), Visakhapatnam, India(2019)*








Administrative Roles

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| 2025-Present |  Joint coordinator , Centre of Excellence in Sustainable Energy and Environment, National Institute of Technical Teachers' Training and Research Kolkata. |
| 2023-2025 |  2020Batch Year coordinator , Department of Software and System Engineering, SCOPE, VIT-AP University. |
| 2022-2023 |  Exam Cell coordinator , Department of Computer Science and Engineering, VIT-AP University. |
| 2017-2019 |  Research scholars coordinator , Department of Computer Applications, NIT Trichy, Tamilnadu. |
| 2014-2016 |  Head of Department , Computer science and Engineering at ASK college of Technology and Management, Anakapalli, Visakhapatnam. |
| 2012-2014 |  Coordinator-Cultural Committee , Dadi Institute of Engineering and Technology, Anakapalli, Visakhapatnam. |

Subjects

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| Subjects Thought |  NLP , C, Data Structures using C, Advanced Data Structures, OOPs(JAVA), Computer Vision and Robotics, Advanced Java & Web Technologies, Data Base Management Systems, Computer Vision |
| Areas of Interest |  Soft Computing, Big Data Analytics, Natural Language Computing, Health care Data Analytics, Social Networking and Mining, High Performance Computing |

Skills

-  Languages: Python language and C language.
-  Frameworks/Packages: Scrapy, PYTorch, Keras, Scikit, Ktrain, NLTK, Spacy, Hugging Face Transformers and Matplotlib.
-  Fundamental understanding of Language Models and techniques like: Word2Vec, Glove, BERT, RoBERTa, CT-BERT and Attention.
-  Hands-on experience applying BERT, CNN, RoBERTa, BERTweet and other models to various problems in the NLP
-  Ability to read and interpret journal papers
-  Five years of hands-on experience with design+ implementation of Machine learning models for solving business problems such as python (Numpy, scikit-learn+pandas, Matplotlib).
-  Excellent understanding of machine learning techniques and algorithms such as KNN, Naive bayes, SVM, Decision trees, etc.

Skills (continued)

- Experience in applying machine learning algorithms and techniques to resolve problems on structured and unstructured data.
- Experience in evaluating performance of an ML solution, identifying relevant metrics to track and with right strategy.

Certifications

- 2020 ■ **Machine Learning.** - Successfully completed an Online Quiz with score 85% -Awarded by Gayatri Vidya Parishad College of Engineering for Women, Dept. of Computer Science and Engineering, Visakhapatnam, India.
- 2019 ■ **AI from the Data Center to the Edge An Optimized Path Using Intel Architecture.** Awarded by Intel AI Academy.
- 2017 ■ **Social Networks.** Awarded by NPTEL (IIT Roopar).

Workshops/Conferences attended

Workshops/Conferences attended

- 06-12-2021 to 12-12-2021 ■ **Statistical modelling & Computational Intelligence** - SERB & NIT Trichy, India .
- 01-07-2020 to 28-07-2020 ■ **AI and Deep Learning** - 360DigiTMG and APSSDC, India .
- 08-06-2020 to 10-06-2020 ■ **Computer Vision using CNN** - Anurag University & BlackBucks, India.
- 01-06-2020 to 07-07-2020 ■ **National Level Online Bootcamp of career Building with Python** - Codegnan IT Solutions OPC PVT. LTD.
- 17-06-2020 to 21-06-2020 ■ **Natural Language Processing in Artificial Intelligence** - Guntur Engineering College, Dept. of Computer Science and Engineering, Guntur, India.
- 22-06-2020 to 26-06-2020 ■ **Applications of Image Processing and Machine Learning** - Gayatri Vidya Parishad College of Engineering for Women, Dept. of Computer Science and Engineering, Visakhapatnam, India.
- 08-08-2020 to 09-08-2020 ■ **Computational Intelligence & Data Engineering(ICCIDE-2020)** - Vasavi College of Engineering, Dept. of IT, Hyderabad, India.
- 09-12-2019 to 13-12-2019 ■ **Deep Learning and Applications** - University College of Engineering, Anna University, Trichy.
- 13-05-2019 to 17-05-2019 ■ **Computational Intelligence for Multimedia** - Dept. of Computer Science and Engineering, NIT Trichy.
- 08-09-2018 to 07-10-2018 ■ **Machine Learning Crash Course** - NIT Trichy.
- 27-10-2018 to 27-10-2018 ■ **IOT & Machine Learning** - OPTIMA, Dept. of Computer Applications, NIT Trichy.
- 25-02-2017 to 01-03-2017 ■ **Short Term course on Data Analysis** - IIT kharagpur.
- 29-05-2017 to 02-06-2017 ■ **Summer School on Social Networks** - IIT Roopar.
- 02-03-2017 to 04-03-2017 ■ **Data Mining and Social Media** - Vignan's Institute of Information Technology, Visakhapatnam.

Reviewer for

Academic Journals

CMBP	Elsevier - SCOPUS, SCI - Computer Methods and Programs in Biomedicine
Social Network and Mining	Springer - SCOPUS, ESCI
New Generation Computing	Springer - SCOPUS, SCIE.
IJEECS	Indonesian Journal of Electrical Engineering and Computer Science–SCOPUS.
Applied Computing and Informatics	SCOPUS.
IJESACBT	International Journal of Engineering Science, Advanced Computing and Bio Technology

International Workshop/Conferences

ACL Anthology	Proceedings of the Sixth Workshop on Noisy User-generated Text
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Professional Membership

IAENG	International Association of Engineers.
IEEE	Membership No. 98587005 .

References

Dr. P J A Alphonse	Professor & Former HOD , Dept of Computer Applications, NIT, Trichy, Tamilnadu.
Dr. R. Ponalagusamy	Professor(HAG) , Dept of Mathematics, NIT, Trichy, Tamilnadu.
Dr. T.N. Janakiraman	Professor(HAG) , Dept of Mathematics, NIT, Trichy, Tamilnadu.