

DR. NARASIMHULU YEGGOLI

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Find out my work at <https://github.com/Narasim>

EDUCATION

Ph.D.

SCIS

- Ph.D.(Machine Learning) in full-time, at **SCIS, University of Hyderabad**, Hyderabad.
Thesis Title: “Design and Analysis of Classification Algorithms”.

M.Tech

CSE

- Post Graduation (Computer Science), from **St.John’s College of Engineering and Technology**, Kurnool Dist.

B.Tech

CSIT

- Graduation (Computer Science and IT), from **G Pulla Reddy Engineering College**, Kurnool.

ACHIEVEMENTS

- Our Project at TCS titled, “**Graph Theory-Driven Network Data Modeling**” advances to the finals stage of “**TCS-Innovista 2025**”(awaiting results) and also makes an entry into “**TATA-Innovista 2025**”.

My Role: Sole Developer, Team size: 2.

- Member of a winning team from the University of Hyderabad: **Cardiff University’s CyberAI Research Challenge** in collaboration with the University of Hyderabad and Osmania University.

Title: Privacy Preserving Federated Learning on Healthcare Data.

My Role: One among the two developers, Team size: 4.

S.No.	Board and Exam	Award	Qualifying Year
1	UGC - NET	Junior Research Fellow(JRF)	July - 2018
2	UGC - NET	Assistant Professor	2014, 2017, and 2018
3	GATE	Computer Science	2019

RESEARCH EXPERIENCE

At **NextGen-R&D**, Tech S&S, TCS from March 2025 to Present.

A **Research Intern** at NextGen-R&D, Tech S&S, TCS from July 2024 to March 2025.

A **Senior Research Fellow** from January 2021 to December 2024 at University of Hyderabad.

A **Junior Research Fellow** from January 2019 to December 2020 at University of Hyderabad.

RESEARCH INTERESTS

Generative AI	Large Language Models
Online Learning	Active Learning
Classification Algorithms	Clustering
Matrix Approximations	Optimization Algorithms

PAPERS PUBLISHED/UNDER REVIEW

- 1 **Y. Narasimhulu, P. Kolambkar, and V. V. China, Revisiting Winnow: A modified online feature selection algorithm for efficient binary classification**, Stat. Anal. Data Min.: ASA Data Sci. J. 17 (2024), e11707. <https://doi.org/10.1002/sam.11707>
- 2 **Y Narasimhulu, V China Venkaiah, “ActiveSVM: An Active Learning Algorithm With Novel Initialization, and SVM Model Update Techniques”**, Manuscript communicated to the Journal, Advances in Data Science and Adaptive Analysis, World Scientific.
- 3 **Y Narasimhulu, V China Venkaiah, “Low-rank Binary Matrix Approximation using SVD Based Clustering Technique: Detecting Autism Spectrum Disorder (ASD)”**, accepted by SN Computer Science Journal, Springer Nature(Impact Factor: 3.78).
- 4 **M. S. Raghavendra, P. Chawla and Y. Narasimhulu, “A Probability Based Joint-Clustering Algorithm for Application Placement in Fog-to-Cloud Computing,”**, 2021 9th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO), Noida, India, 2021, pp. 1-5, doi: 10.1109/ICRITO51393.2021.9596534(SCOPUS Indexed).
- 5 **Y Narasimhulu, Ashok Suthar, Raghunadh Pasunuri, V China Venkaiah (2021), “CKD-Tree: An Improved KD-Tree Construction Algorithm”**, Published in Proceedings of the International Semantic Intelligence Conference 2021(ISIC 2021), CEUR Conference Proceedings(CEUR-WS.org)(SCOPUS Indexed: <https://www.scopus.com/sourceid/21100218356>).
- 6 **Narasimhulu Y, Pasunuri R., Venkaiah V.C. (2021), “Nearest Neighbors via a Hybrid Approach in Large Datasets: A Speed up.”**, In: Chaki N., Pejas J., Devarakonda N., Rao Kovvur R.M. (eds) Proceedings of International Conference on Computational Intelligence and Data Engineering. Lecture Notes on Data Engineering and Communications Technologies, vol 56. Springer, Singapore(SCOPUS Indexed: <https://www.scopus.com/sourceid/21100975545>).
- 7 **Vardhani P.R, Priyadarshini Y.I., Narasimhulu Y. (2019), “CNN Data Mining Algorithm for Detecting Credit Card Fraud.”**, Published in Soft Computing and Medical Bioinformatics. SpringerBriefs in Applied Sciences and Technology. Springer, Singapore(Web of Science Indexed: <https://www.webofscience.com/wos/woscc/full-record/WOS:000445142100010>).
- 8 **K.Vinod Kumar Reddy, Y. Narasimhulu, “Proficiently Sharing Data Using Name Based Routing Algorithm in Big Data.”**, Published in International Journal of Trend in Research and Development (IJTRD), ISSN:2394-9333, Special Issue - RIET-17 , December 2017(UGC-Care List).

REVIEWER

S.No.	Name of the Journal/Conference
1	IEEE Access: IEEE Journal
2	Neural Computing and Applications: Springer Journal
3	Soft Computing: Springer Journal

Reviews details can be found at: Web of Science or ORCID

WORK EXPERIENCE

I.T.Analyst

Mar 2025 - Till Date

- Working as Analyst, NextGen - Research and Development(R&D), Technology Software and Services, Tata Consultancy Services(TCS), Synergy Park, Hyderabad.

Research Intern

July 2024 - Mar 2025

- Research Intern, NextGen - Research and Development(R&D), Technology Software and Services, Tata Consultancy Services(TCS), Synergy Park, Hyderabad.

Assistant Professor

6.5 Years

October 2012 - December 2018

- At Department of Computer Science and Engineering, “RAVINDRA College of Engineering”, Kurnool.

Assistant Professor

1.3 Years

July 2011 - Oct 2012

- At Department of Computer Science and Engineering, “St. JOHNS’ COLLEGE OF ENGG. AND TECHNOLOGY”, Kurnool Dist.

WORKSHOP, FDP, AND CAMPUS TRAININGS CONDUCTED

- Presented 4 sessions on “**Retrieval-Augmented Generation(RAG)**”, in a “**Generative AI Dojo Workshop**” for Senior Leaders at ‘Tata Consultancy Services(TCS)’.
- Two day workshop on “**Practical Machine Learning**”, at ‘JNTU-GV University’, Vizianagaram.
- Presented a Session on “**Classification with Minimal Data**”, in a Five Day Faculty Development Program(FDP) on “The Future of Computing: Emerging Technologies and Trends” at ‘G Pulla Reddy Engineering College’, Kurnool.

CERTIFICATIONS

- “**AI Agents with LangGraph**”, by O’Reilly Media, Inc - Sajal Sharma. Verification Link
- “**Agentic AI Agents**”, by O’Reilly Media, Inc - Sinan Ozdemir. Verification Link
- “**Foundations of Data Science**”, by One Fourth Labs - Mitesh M Khapra, and Pratyush Kumar, IIT Madras Research Park. Verification Link
- “**Deep Learning**”, by One Fourth Labs - Mitesh M Khapra, and Pratyush Kumar, IIT Madras Research Park. Verification Link

DECLARATION

Hereby declare that the information furnished above is true.

Y NARASIMHULU

Y. Narasimhulu

