Y NARASIMHULU

Research Scholar ⋄ University of Hyderabad

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

EDUCATION

Ph.D.   **January 2019 - Present**

· **Pursuing Ph.D.(Machine Learning), at SCIS, University of Hyderabad, Hyderabad.**

M.Tech   **2009 - 2011**

· **Post Graduation (Computer Science), from St.John's College of Engineering and Technology, Yemmiganur.**

ACHIEVEMENTS

. **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
Further extending this work into a Journal Publication.

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

RESEARCH EXPERIENCE

. **A Junior Research Fellow from January 2019 to December 2020 at University of Hyderabad.**
. **A Senior Research Fellow from January 2021 to Present at University of Hyderabad.**

RESEARCH INTERESTS

· **Clustering**   · **Classification**
· **Nearest Neighbors**   · **Scheduling in Fog Environment**
· **Matrix Approximations**   · **Optimization Algorithms**

TECHNICAL STRENGTHS

· **Computer Languages:**   **C, Python, & C++**
· **Subjects of Interest:** **DAA, OS, DS, & DBMS**
· **Programming**   **Numpy, Pandas, & sklearn**

PAPERS PUBLISHED/UNDER REVIEW

1 Y Narasimhulu, Pralhad K, V China Venkaiah, "Revisiting Winnow: A Modified Online Learning Algorithm for Efficient Binary Classification", Manuscript submitted to the Journal, Statistical Analysis and Data Mining.

2 Y Narasimhulu, V China Venkaiah, "Low-rank Binary Matrix Approximation using SVD Based Clustering Technique: Detecting Autism Spectrum Disorder (ASD)", Communicated to a Springer Journal.

3 Umesh Kumar, Y. Narasimhulu, V. Ch. Venkaiah, "MQG-PRNG and Non-Associative Quasigroup based Stream Cipher", Communicated to a Journal.

4 Y Narasimhulu, M Sri Raghavendra, Priyanka Chawla (2021), "A Probability Based Joint-Clustering Algorithm for Application Placement in Fog-to-Cloud Computing", Accepted in IEEE 9th International Conference on Reliability, Infocom Technologies and Optimization (ICRITO-2021), Amity University, Uttar Pradesh. (https://www.amity.edu/aiit/icrito2021/Default.aspx).

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).

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.

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.

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.

CURRENT WORKS

. Active learning for classification using Support Vector Machines
. A survey on various Online learning algorithms
. Privacy Preserving Federated Learning

CONFERENCES ATTENDED

· "International Semantic Intelligence Conference(ISIC - 2021)", at MERI College of Engineering & Technology, New Delhi, India 2021.
· "Third International Conference on Computational Intelligence & Data Engineering(ICCIDE - 2020)", at Vasavi College of Engineering(Autonomous), Hyderabad, Telangana, India 2020.
· "Second International Conference on Cognitive Science and Articial Intelligance(ICCSAI - 2018)", at Sree Vidhyanikethan Engineering College(Autonomous), Tirupati, Andhra Pradesh India 2018.

CERTIFICATIONS

· "Foundations of Data Science", by One Fourth Labs, a startup at the IIT Madras Research Park by faculty members Mitesh M Khapra, and Pratyush Kumar.
· "Deep Learning", by One Fourth Labs, a startup at the IIT Madras Research Park by faculty members Mitesh M Khapra, and Pratyush Kumar.

WORK EXPERIENCE

Assistant Professor   June 2011 - October 2012
1.4 Years

· Worked as "ASSISTANT PROFESSOR" at St. JOHNS' COLLEGE OF ENGG. AND TECHNOLOGY

Assistant Professor   October 2012 - December 2018.
6.2 Years

· Worked as "ASSISTANT PROFESSOR" at RAVINDRA COLLEGE OF ENGINEERING FOR WOMEN

SUBJECTS TAUGHT

· Design and Analysis of Algorithms
· Data Structures
· Advanced Data Structures and Algorithms
· Web Programming

· Operating Systems
· Database Management Systems
· Java and Web Technologies

CAMPUS TRAININGS CONDUCTED

· 15 Days training on 'Problem Solving Skills' at Mohan Babu University(MBU), Tirupati.
· An A.P.S.S.D.C. 10 day training programme on 'C-Programming and Computer Fundamentals' at 'Govt. Silver Jubilee College', Kurnool.
· An A.P.S.S.D.C. 10 day training programme on 'C-Programming and Computer Fundamentals' at 'Sri Ramakrishna Degree College and National Degree Col- lege', Nandyal.
· An A.P.S.S.D.C. 1 day training programme on 'C-Programming and Data Structures' at 'Chalapathi Institute of Engineering and Technology', Guntur.
· An A.P.S.S.D.C. 2 day training programme on 'C-Programming and Data Structures' at 'QIS College of Engineering & Technology', Ongole.
· An A.P.S.S.D.C. 1 day campus training programme on 'C-Programming and Data Structures' at 'QIS College of Engineering & Technology', Ongole.

DECLARATION

Hereby declare that the information furnished above is true.

Y NARASIMHULU