



# Dr. Raghunadh Pasunuri

## CURRICULUM VITAE

### Educational Qualification

- 2020 **Ph.D.(Computer Science)**, *University of Hyderabad (HCU)*, Hyderabad, Telangana.
- 2007-2009 **M.Tech.(CSE)**, *Jayamukhi Institute of Technological Sciences*, Warangal, JNTU Hyderabad, Andhra Pradesh.
- 2001-2005 **B.Tech.(CSE)**, *Vaagdevi College of Engineering*, Warangal, JNTU, Hyderabad, Andhra Pradesh..
- 1999-2001 **MPC**, *CKM Arts and Science College*, Warangal, Warangal, Andhra Pradesh.
- 1999 **SSC**, *Board of Secondary Education*, Hyderabad, Andhra Pradesh.

### Research Experience (8 Years)

- 2017-2018 Project Fellow, SCIS, University of Hyderabad/ANURAG, DRDO, Hyderabad (Feb-2017 to July-2018)
- 2012-2016 Senior Research Fellow, SCIS, University of Hyderabad
- 2010-2012 Junior Research Fellow, SCIS, University of Hyderabad

### Teaching Experience(6.5Yrs)

- 2020 Oct- tilldate Associate Professor, Dept. of CSE-AIML, Malla Reddy Engineering College, Autonomous, Hyderabad
- 2013 Teaching Assistant to Prof. Vineet P. Nair, School of Computer and Information Sciences, University of Hyderabad, July-Dec, 2013.
- 2008-2010 Assistant Professor, Aurora's Research and Technological Institute (formerly known as Ramappa Engineering College), Warangal, Telangana

2006-2007 Assistant Professor, Vivekananda Institute of Technology and Science (VITS-II), Karimnagar, Telangana.

## Books Published

2023 Exploring Network Security Strategies Securing The Digital Frontier, Deccan International Academic Publishers, ISBN No. 978-81-964993-8-9

## Project Proposals submitted

2021 Microsoft AI for Earth Grants

## Patents Filed/Published

Dec 2021 Voice-based Email for Visually Challenged People. Appln.No. 202141059858A

Dec 2021 Driver Drowsiness Detection System. Appln.No. 202141059867A

2020 An Efficient MRF Models for Detection of Brain Abnormality Based on MR Images, Application No. 202041052252.

## Administrative Posts held :

2020 Dean of MIC-IIC at MREC(A) Hyderabad

2020 Department R & D Coordinator, CSE Dept., MREC(A), Hyderabad

2020 College-level Professional Chapters Committee Coordinator, MREC(A), Hyderabad

2020 Co-coordinator for UGC Student Achievements File.

## Publications

2020 Y NARSIMHULU, RAGHUNADH PASUNURI, VADLAMUDI CHINA VENKAIAH, "Nearest Neighbors via a Hybrid Approach in Large Datasets : A Speed Up" *Third International Conference on Computational Intelligence and Data Engineering (ICCIDE-2020) 8-9 August 2020. Vasavi College of Engineering, Hyderabad. LNDECT, Springer.*

2019 RAGHUNADH PASUNURI, VADLAMUDI CHINA VENKAIAH , "A Computationally Efficient Data-Dependent Projection for Dimensionality Reduction" In : *Bansal J., Gupta M., Sharma H., Agarwal B. (eds) Communication and Intelligent Systems. ICCIS 2019. Lecture Notes in Networks and Systems, vol 120. Springer, Singapore. pp. 339-352. (indexed by SCOPUS)*

- 2018 RAGHUNADH PASUNURI, VADLAMUDI CHINA VENKAIAH and AMIT SRIVASTAVA, "Clustering High-Dimensional Data : A Reduction Level Fusion of PCA and Random Projection", *Proceedings of Second International Conference on Computing and Communication (IC3-2018). Advances in Intelligent Systems and Computing (AISC) Series, Springer under the title "Recent Developments in Machine Learning and Data Analytics". 2018, (indexed by SCOPUS)*
- 2018 RAGHUNADH PASUNURI, VADLAMUDI CHINA VENKAIAH and BHASKAR DHARIYAL, "Ascending and Descending Order of Random Projections : Comparative Analysis of High-Dimensional Data Clustering", *In : Proceedings of ICHSA-2018, Yadav N., Yadav A., Bansal J., Deep K., Kim J. (eds) Harmony Search and Nature Inspired Optimization Algorithms. Advances in Intelligent Systems and Computing, Vol 741. Springer, Singapore 2018 (indexed by SCOPUS)*
- 2016 RAGHUNADH PASUNURI, VADLAMUDI CHINA VENKAIAH, "An Optimal Proximity Method for Nearest Neighbor Search in High-Dimensional Data" *In Proceedings of IEEE 2nd International Conference on Contemporary Computing and Informatics (IC3I 2016)*, pages. 479-483 ", IEEE Xplore 2016. (indexed by SCOPUS)
- 2015 RAGHUNADH PASUNURI, "A Novel Algorithm for Nearest Neighbor Search in High Dimensional Spaces" *In International Journal of Applied Engineering Research (IJAER)*, Vol 10, No. 86, pages 247-253, 2015. (indexed by SCOPUS)
- 2010 SUJATHA BANDA, RAGHUNADH PASUNURI and P SUJATHA "Prevention of Session Data Dependant Vulnerabilities Using Global Unique ID and Integrity Stamp", *In Proceedings of 2nd International Conference on IT and Business Intelligence (ITBI), IMT Nagpur 2010.*

## Awards/Honours

- 2012 UGC NET Lectureship, UGC New Delhi
- 2012 AP-SET(SLET) Lectureship, Osmania University, Hyderabad.
- 2011 Rajiv Gandhi National Fellowship (RGNF) for Doctoral Research, UGC New Delhi

## Conferences & Workshops attended

- 2020 Five days FDP on Internet of Things and its Applications, organized by Centre for Continuing Education, NITW & Reva University Bangalore from 21-25 Dec 2020.
- 2020 One Week (online) Faculty Development Program" on Deep Learning and its Applications (DLA) at Malla Reddy Engineering College (Autonomous), Hyderabad from 07-12-2020 to 12-12-2020.

- 2020 FDP on Machine Learning for Intelligent Systems, conducted by CSE Dept. NIT Warangal from 1-5 Dec 2020.
- 2020 One Week FDP on Data Science in Real time applications, organized by Dept. of IT, SNIST Hyderabad, during 23-28 Nov, 2020.
- 2020 One Week STTP on Deep Learning Techniques for Electronic Health Record Analysis, Organized by MRECW, Hyderabad during 16-21 st Nov 2020.
- 2020 Third International Conference on Computational Intelligence and Data Engineering (ICCIDE-2020), Vasavi College of Engineering, Hyderabad, India during 8-9 August, 2020.
- 2020 One week FDP on Big Data Analytics using Hadoop Framework Tools, organized by Department of Computer Science and Engineering, School of Engineering, Presidency University, Bengaluru, held from 3-8 August, 2020.
- 2019 International Conference on Communication and Intelligent System (ICCIS-2019), jointly organized by SKIT Jaipur and Rajasthan Technical University, Kota, India, 9-10 November 2019.
- 2018 One day Workshop on Learning Platform for Outcome-Based Education, 25<sup>th</sup> Sep, 2018, IIIT Hyderabad.
- 2018 Second International Conference on Computing and Communication (IC3), Mar 23-24, 2018, Sikkim Manipl Institute of Technology, Sikkim, India
- 2018 4th International Conference on Harmony search, Soft computing and Applications (ICHSA 2018) Feb 07-09, 2018. BML Munjal University, Gurugram, Haryana, India
- 2017 Two day Workshop on Topics in Linear Algebra and Machine Learning, 12-13 Oct 2017, School of Computer and Information Sciences, University of Hyderabad.
- 2017 Two day "Research Workshop" 26-27 August 2017, IIIT Hyderabad.
- 2017 Two day "Workshop on Hadoop Basics" April 8-9, 2017, IIIT Hyderabad.
- 2016 2nd International Conference on Contemporary Computing and Informatics (IC3I) 14-17 Dec, 2016, Amity University, Noida, UP, India
- 2015 2nd International Conference on Data Engineering and Communication Systems (ICDECS 2015) Dec 28-29, 2015 RNSIT, Bangalore, India.
- 2015 9th International Conference on Advances in Soft Computing, E-Learning, Information and Communication Technology (ASCIET) Jawaharlal Nehru University, Delhi, 2015
- 2014 1st International Conference on Advances in Soft Computing and Communication Technologies(ICASCCT), Aug 27-28, 2014 Vignan Institute of Technology & Science, Deshmukhi, Hyderabad.
- 2012 One day Workshop on "Open Source Technologies- The Present Scenario", SIT JNTU Hyderabad, 14th Dec 2012.

- 2012 Two-day National Workshop on “Advances in Multimedia Data Clustering (AMDAC)” 17-18, August 2012, Abhinav Hi-Tech College of Engineering, Hyderabad..
- 2010 Second International Conference on IT and Business Intelligence (ITBI), IMT Nagpur Nov 12-14, 2010.
- 2010 Two week "ISTE Workshop on Data Mining” Jayamukhi Institute of Technological Sciences, Warangal.
- 2010 One day program on “Research Methodology in Computer Science” conducted by CSI Hyderabad Chapter on 18th July, 2010.
- 2010 Two week ISTE workshop on “Effective Teaching/Learning of Computer Programming” conducted by IIT Bombay at remote center NIT Warangal, 29th June to 10th July, 2010.
- 2009 Two day FDP workshop on “Neural Networks and EJB (ASTRAA-2K9”, Vaagdevi College of Engineering, Warangal, 12-13 Nov, 2009.
- 2009 Three day training program on RUP, Rational Rose (Course Code : OOAD) conducted by IBM at Ramappa Engineering College Warangal, 5-7 September, 2009.
- 2009 Two day workshop on “Advanced Trends in Data Mining” , Balaji Institute of Technology & Science Narsampet , 29-30 June 2009.
- 2009 Two day Faculty Development Program (FDP) on “Teaching Ethics : Redefining Values in Contemporary System of Education” ,Ramappa Engineering College Warangal on Feb-28 & Mar 1st 2009.
- 2008 Two day workshop on “The Role of Web Applications in Emerging e-Business” conducted by CSE department, Balaji Institute of Technology & Science Narsampet on 29-30 August 2008.
- 2007 One Day "International Seminar on Change Management” by Prof. George Gere, School of Business Management, Florida University, USA, organized by Jayamukhi Institute of Technology and Sciences, Warangal, 7th Nov 2007.

## Conferences & Workshops organized

- 2017 Organizing Committee member for 2-day Workshop on "Topics in Linear Algebra and Machine Learning", 12-13th Oct 2017, SCIS, University of Hyderabad.
- 2010 Organizing Committee Member for the National Conference on "Recent Advances in Artificial Intelligence and Neural Networks" (RAAINN 2010), CSE Dept., Ramappa Engineering College, Warangal.

## Projects Guidance

M.Tech : 04

B.Tech : 10

## Subjects taught

PG level : Object Oriented Programming through Java, Advanced Computer Architecture & Organization, Software Process and Project Management, Software Architecture and Design Patterns

UG level : Artificial Intelligence, C and Data Structures, Advanced Data Structures using CPP, Object Oriented Programming through Java, Design and Analysis of Algorithms, Language Processors (Compiler Designing), Operating System Principles, Principles of Programming Languages, Data ware housing and Data Mining, Software Testing Methodologies

## Languages

English, Telugu, Hindi

## Personal Information

Father Name Veeraswamy Pasunuri  
Mother name Vamma Pasunuri  
DoB 15-06-1983  
Gender Male  
Marital status Married  
Religion Hindu  
Nationality Indian

## Address

Flat No : A-207, NDR Estates  
Colony : Kailash Nagar, Chandanagar  
District : RangaReddy, Hyderabad,  
State : Telangana  
Pincode : 500050.  
Mobile : 9063447284.  
Email : drpraghunadh1506@gmail.com

## Programming Skills

Languages : Python, C, C++, JAVA, MATLAB and LATEX Document Writing

## Strengths

Positive thinking, hard-working, self-confidence and pleasuring personality, good communication skills

## Declaration

I hereby declare that all the particulars provided are true, best of my knowledge.

Raghunadh Pasunuri