



### **Brief Bio-data of**

**Ph.D.** in CSE, shri venkateshwara university, **M.TECH (CSE)** from

Acharya Nagarjuna University

Total 13 years experience

**Areas of Research:** Image Processing, Machine Learning, Deep Learning

### **Academic Qualification:**

DEGREE	SPECIALIZATION	UNIVERSITY	YEAR OF PASSING	CLASS
Ph.D	CSE	shri venkateshwara university	2018	
M.TECH	CSE	Acharya Nagarjuna University	2009	

### **Certifications:**

- Swayam NPTEL certified course on “Software Testing” during Jul – Oct 2019.
- Swayam CEC certified course on “E-Commerce Technologies” Nov 2019.

### **Training & Workshop:**

- Attended a faculty development program on “Machine learning and data science with practical approach for engineering applications” at CMR technical campus from 3<sup>rd</sup> July 2017 to 8<sup>th</sup> July 2017.
- Participated in the training programme on “Outcome based education” from 13-20 December 2017 organized by Galgotias University.
- Attended one week faculty development program titled “Nature inspired algorithms for solving complex engineering problems” organized by Galgotias University from 23<sup>rd</sup> – 27<sup>th</sup> April 2018.
- Participated in one week faculty development program on “Artificial intelligence and machine learning” held at Gokaraju Rangaraju Institute of Engineering and Technology (Autonomous) on 29 April to 4 May 2019
- Attended one week faculty development program on “Optimization of process parameters by linear regression using MATLAB-Research focus” organized by CMR technical campus during 13<sup>th</sup> – 18<sup>th</sup> May 2019.

- Attended one week faculty development program on “Internet of things using R programming” at malla reddy engineering college from 24-29 June 2019.
- One week faculty development program on “Python Programming” on 1<sup>st</sup> July 2019 to 6<sup>th</sup> July 2019 with webtek labs pvt.ltd.
- Participated in one week faculty development programme on “Machine learning using python & R programming (learn by coding)” at narsimha reddy engineering college from 8-07-2019 to 13-07-2019.
- Attended three days’ workshop of “Data Science” held at royal college of engineering and technology on 24-26<sup>th</sup> July 2019.
- Three day DST – Sponsored national level seminar on “Sensor Networks, Internet of Things (IoT) and Internet of Everything” conducted at Vidya Jyothi Institute of Technology (autonomous) from 8<sup>th</sup> – 10<sup>th</sup> August 2019.
- Participated in the workshop on “AICTE Mandate – Examination Reforms – Outcome Based Teaching, Learning & Assessment Strategies” from 25-09-2019 to 27-09-2019 at Jawaharlal Nehru Technological University Hyderabad.
- 12 weeks AICTE approved online NPTEL FDP course on software testing during Jul – Oct 2019.
- Participated two day national level workshop sponsored by CSIR on “machine Learning for Human – Robot Collaborate and Artificial Intelligence Awareness” organized at malla reddy college of engineering & technology, Hyderabad from 22<sup>nd</sup> – 23<sup>rd</sup> November, 2019.
- One week FDP on “Discrete mathematics for Engineering Stream”, organized by malla reddy institute of technology and science during 19<sup>th</sup> – 24<sup>th</sup> December 2019.
- Has participated in the one week national workshop on “Research Methodology & Skill Development”, held from February 3<sup>rd</sup> to 9<sup>th</sup> at Shri Venkateshawara University, Gajraula (U.P). In association with Indian Association for Management Development (IAMMD).
- Two week AICTE Sponsored faculty development program (FDP) on “Emerging Threats and Counter Measures in Information Security” from 10<sup>th</sup> February 2020 to 22<sup>nd</sup> February 2020 organized by the department of Computer Science and Engineering of Nalla Malla Reddy Engineering College.

### **National & International Conferences:**

- Has attended National Conference on Advancements and Innovations in Engineering, Technology & Management (AITEM-2014) on 4G Technology applications and compatibility in overbalance networks.
- Has attended International Conference on Computer & Communication Technologies (IC3T-2k14) on CLOUD-Issues, Challenges, Needs and Practice.
- “A survey on breast cancer detection and classification of microcalcification in mammogram”, international conference on recent advances in engineering, science & technology, September 2015.
- “Early detection of breast cancer through mammogram using KNN classifier”, National conference on recent trends in communication, networking and computing, march 2016.
- “A complete survey on technological challenges of IoT in security and privacy”, International conference on recent trends in multi-disciplinary research, December 2018.
- “Enhancement in data security using DNA cryptography”, ICSCSP2019.
- “Texture Recognition and Image Smoothing for Microcalcification and Mass Detection in Abnormal Region”, IEEE International Conference on Computer Science, Engineering and Applications (ICCSEA 2020)

## **Patent & Achievements:**

- “Computer implemented method for classification of microcalcification clusters in digital mammograms using hybrid wavelet features”, Application No.201941046193A, Publication Date : 29/11/2019
- “Method of secure online voting using middleware security” Application No.201941027226A, Publication Date : 02/08/2019
- “An apparatus of internet of things personal wearable tracking system with method of artificial intelligence”, Application No.201941033959A, Publication Date : 20/09/2019
- “Multi-core execution method for reduction of computing time complexity in data mining application through parallel-computing”, Application No.2019310338661A, Publication Date: 25/10/2019.
- Obtained an I2OR Outstanding Researcher Award 2019 from International Institute of Organized Research.

## **List of Publications:**

- An efficient mixture model approach in Brain-Machine interface systems for extracting the psychological status of mentally impaired persons using EEG signals, volume 7, date of publication June 10, 2019(SCI).
- Cryptocurrency Miners – Major Cyber Threat of 2018, International Journal of Pure and Applied Mathematics, ISSN: 1314-3395, volume 119 No.18 2018, PP. 1775-1787
- Big Data Threat Detection on Cloud Environment with Business Intelligence, International Journal of Pure and Applied Mathematics, ISSN: 1314-3395, volume 119 No.18 2018, PP. 1789-1798
- Climatic change prediction using simple linear regression in Journal of Computational and Theoretical Nanoscience, ISSN: 1546-1955 (Print): EISSN: 1546-1963 (Online), volume 16, number 2, Feb 2019, PP.655-658.
- A complete survey on technological challenges of IoT in security and privacy in International Journal of Recent Technology and Engineering, ISSN: 2277-3878, volume-7, issue-6S4, PP.332-334.
- An improved method of DNA data encryption using XoR based data segments in International Journal of Recent Technology and Engineering, ISSN: 2277-3878, volume-8, issue-1, May 2019, PP.1834-1838.
- Smart Healthcare and Quality of Service in IoT using Grey Filter Convolutional Based Cipher Physical System, Sustainable Cities and Society
- Cluster Analysis in Data Mining, October 2012 published in International journal of computer technology and electronics engineering, ISSN 2249 – 6343, volume 2, issue 5.
- Issues, Challenges, Needs and Practice for Cloud – A Survey, May 2014 in International conference on computer and communication technologies, ISSN 2248 – 9584, volume 3, issue 1.
- 4G technology, applications and compatibility in overbalance networks, July 2014 in journal of innovative engineering, ISSN 2347 – 7504.
- Study of applications of data mining techniques in education, July 2014 in journal of innovative engineering, ISSN 2347 – 7504.
- Architecture, features and applications – 5G technology, international journal of computer science information and engineering technologies, ISSN 2277 – 4408, volume 3,series 2,PP. 1-5.
- A survey on microcalcification identification and classification using CAD system, May 2015 published in Journal of emerging technologies and innovative research, ISSN: 2349-5162, volume 2, issue 5, PP. 186-190.
- Virtual mouse – implementation using web camera through color pointer detection, July 2015 in international journal of computing, ISSN 2230 – 9039, volume 5, issue 3.

- Android based intelligence security and safety system for women in public places, April 2016, international journal of research in electronics, ISSN 2349 – 252X, volume 3, Issue 4.
- Design and implementation of safety system to avoid accidents through embedded system, April 2016, international journal of research in electronics, ISSN 2349 – 252X, volume 3, issue 4.
- Android 7 nougat and android version history, July 2016, international journal of research in computer science, ISSN 2349 – 3828, volume 3, issue 4.
- Support Vector Machine Based Automatic Mammogram Classification using Hybrid Optimization Algorithm, International journal of research in engineering, IT and social sciences, ISSN 2250-0588, volume 6 issue 9, September 2016, page 50-54.
- Software testing practices in cloud computing – A review, sept ,2016, international journal of research in computer science, ISSN 2349 – 3828, volume 3, issue 3.
- Modern development in E-Commerce, Dec 2016, international journal of research in computer science, ISSN 2349 – 3828, volume 3, issue 1.
- A study on features, types, applications and techniques of digital image processing, international journal of computer science and engineering technology, ISSN: 2229-3345, Vol.8 No.08 Aug 2017, PP. 331-334.
- Search for Harmonized Keywords Using the Voted Lab Feature and Allow Re Cryptosystem for Electronic Health Clouds, international journal of innovative technology and research, ISSN: 2320 -5547, volume 5, issue 5, Sep 2017, PP. 7316-7319.
- Virtual Smart Phone Technology, International Journal of Scientific Research and Review, ISSN: 2279-543X, volume 7, issue 2, Feb. 2018, PP. 239-247.
- The novel mechanism scheme focuses on data processing and storing accessing with designed to ensure the users legal authorities, International Journal of Advance Engineering and Research Development, ISSN: 2348-4470, volume 5, issue 4, April 2018, PP. 465-467.
- Various effective performance methods in backup and data recovery techniques for a cloud-based environment, International Journal of Trend in Scientific Research and Developments No: 2456-6470, volume 2, issue 5, July 2018, PP. 1426-1429.
- IBM Cloud Computing Reference Architecture (CC RA 2.0), International Journal for Research in Applied Science & Engineering Technology, ISSN: 2321-9653, volume 6, issue IX, sept 2018, PP. 200-204.
- The role and SCCBI of bosom cancer in the universe, International journal of Research and Analytical Reviews, ISSN: 2349-5138, volume 5 issue 4 Dec 2018, PP.569-572.
- A review on breast cancer data repository, International journal of research, e-ISSN: 2348-6848, p-ISSN: 2348-795X, Feb 2019, PP.1072-1083.

### **Book Publication**

- Information storage management, Research India Publications, ISBN: 978-89116-08-3.

### **Book Chapter Publication**

- Book chapter titled "History of Robotic Technology: Trending in Dynamic World", book title "Advances in Computer Science (Volume - 2)" in AkiNik publications 2018, ISBN 978-93-5335-211-0.
- Book chapter titled “Futurity of translation algorithms for neural machine translation (NMT) and its vision” in the book “Handbook of research on NLP in AI” in Apple academic press, CRC press, a taylor & francis group, ISBN: 9781771888646.
- Chapter titled “Multi Hop programming in medical development using semantic analysis and natural language processing techniques” in the book “Computational Intelligence and Its Applications in

Healthcare 1st Edition” , Paperback ISBN: 9780128206041(Elsevier)

- Accepted book chapter titled “Cancer Prediction and Diagnosis Hinged on HCML in IoMT Environment” in the book Machine Learning & Internet of Medical Things in Healthcare (Elsevier).

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Assoc,Professor,MRITS.