Name: Dr. D. Sudheer
Designation: Assistant Professor
Department: Computer Science & Engineering
Mail ID: sudheer_d@vnrvjiet.in

Experience (in years): Teaching: 2.7   Research: 2   Others(if any, specify): NIL

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1.	Ph.D.	2022	CSE(Computer Vision)
2.	M.TECH	2015	CSE
3.	B.TECH	2013	CSE

2. Teaching and Learning:
2.1. Teaching Interests:
Web technologies, Java, Deep Learning, Machine Learning, Computer vision, Data Mining, Database Management System.

2.2. Novel Teaching & Learning Techniques adopted:
- Outcome based teaching
- WIT and WIL
- Blooms taxonomy
- Active learning (Videos, PPT, Programs etc)
- Referring recent reviewed articles

2.3. Involvement in curriculum updating / Design: NIL

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies: Listening music, Carroms, Chess.

3.2. CCA/ECA Organized:

Coordinated Pre Conference Workshop on Recent Research Applications and Handson Sessions in NLP and ML at 3rd International Conference on Advances in Computer Engineering and Communication System (ICACECS - 2022), VNRVJIET (8th to 10th August 2022).

Coordinated One Day seminar on "optimization techiques in Deep Learning" associated with CSI and Department of CSE, VNR VJIET, Hyderabad (2022).

Coordinated One week FDP on Latex - Migrate to Latex from word during 4th to 9th April 2023, Associated with CSI, Department of CSE, VNR VJIET, Hyderabad.

IITB spoken tutorials Student Development program organized at Sree Dattha Institute of Engineering and Science.

3.3. CCA/ECA participated:

Participated in One week FDP On "natural language and Scientific Processing" during the period of 03-04-2023 to 08-04-2023, Organized by ANITS, Vishakhapatnam, India in collaboration with SodhGuru innovation and Research labs.

Participated in One week FDP On "Amazon Web Services" during the period of 22-08-2022 to 27-08-2022, Organized by VNRVJIET in collaboration with AICTE.

Participated in 40 hour FDP on Research Challenges and Hands on Practice in Data ANalytics and AI, Sponsored by Ministry of Electronics and Information Technology (MeitY), Organized by E\&CT Academy, NIT Warangal and VNRVJIET (21-07-2022 to 31-07-2022).

Participated in six days AICTE and ISTE sponsored workshop on "Machine learning and IOT applications", organized by Sri Indu colleg of engineering, Hyderabad, Telangana (2020).

Participated in two week AICTE sponsored FDP on "Cutting edge trends in dep learning approaches", Organized bu Kongu Engineering college, Tamilnadu (2020).

Participated for AICTE sponsored one week short term training program on "Deep Learning For Image and Text Anlysis" from 26th to 31st August, MIC College of Technology,2019.

Atteneded for DHR and ICMR sponsored five day national workshop on "Machine Learning Approaches on Medical imaging for Clinical Psychology and Health Care Applications", Organized by School of Computer Science and Engineering (SCOPE), Vellore Institute of Technology during hth to 10th May, 2019.

Attended for Two Week National Workshop and Summer School on "Advances in Deep Architectures for Signal, Image, and Vision Applications" IIIT, Allahabad, 2018.

Attended "Two Day Workshop on Machine Learning and its Applications Using MATLAB" Organized By SCOPE, VIT University, Vellore, 2018.

Attended "Two Days Pre Conference Workshop on Image Processing and its Applications Using MATLAB" Organized By SCOPE, VIT University, Vellore, 2017.

Attended a Workshop on "Data Science Research" Organized by Department of Computer Science and Engineering, NIT, Trichy, Sponsored By DST, 2016.

Attended a Workshop on "Deep Learning in Computer Vision: Tools and Methods", organized by SCOPE, VIT University, Vellore, 2016.

Attended One Week Workshop on "Research Challenges and Issues in Big Data and Cloud Computing", Organized by Department of Computer Science and Engineering, JNTUK-University College Of Engineering Vizianagaram, Sponsored By IEEE, 2015.

Participated in "Two Day National Seminar on Cloud Computing", Organized By Department of Computer Science and Engineering, PVP Sidhartha Institute of Technology, Sponsored By SERB, DST, 2013.

3.4. Counseling and Mentoring Activity: III Year B section mentor.

3.5. Committees involved in:

Department level: NIL

Institute Level: NIL

4. Conference / Workshop / Seminar / Guest Lectures:
4.1. Conducted:

- Organized Special track at 3rd Ingternational Conference on Data Science and Big Data Analytics (IDBA-ACMWIR-2023)

- Coordinated Pre Conference Workshop on Recent Research Applications and Handson Sessions in NLP and ML at 3rd International Conference on Advances in Computer Engineering and Communication System (ICACECS - 2022), VNRVJIET (8th to 10th August 2022).

- Coordinated One Day seminar on "optimization techiques in Deep Learning" associated with CSI and Department of CSE, VNR VJIET, Hyderabad (2022).

- Coordinated One week FDP on Latex - Migrate to Latex from word during 4th to 9th April 2023, Associated with CSI, Department of CSE, VNR VJIET, Hyderabad.

- Conducted workshop on Big Data Processing with Hadoop at Aditya engineering college, Sep-2015.

4.2 Attended:

- Participated in one week online workshop on "Recent Trends in Artificial Intelligence and Machine Learning", conducted by Auxileo labs for research and education and organized by IARE, Hyderabad, Telangana (2021).
- Participated in IIT Bombay spoken tutorial FDP from 16-04-2021 to 22-04-2021 On Python 3.4.3, organized by IIT Bombay.
- Participated in two week AICTE sponsored FDP on "Cutting edge trends in dep learning approaches", Organized bu Kongu Engineering college, Tamilnadu (2020).
- Participated in six days AICTE and ISTE sponsored workshop on "Machine learning and IOT applications", organized by Sri Indu colleg of engineering, Hyderabad, Telangana (2020).
- Participated for AICTE sponsored one week short term training program on "Deep Learning For Image and Text Anlysis" from 26th to 31st August, MIC College of Technology,2019.
- Atteneded for DHR and ICMR sponsored five day national workshop on "Machine Learning Approaches on Medical imaging for Clinical Psychology and Health Care Applications", Organized by School of Computer Science and Engineering (SCOPE), Vellore Institute of Technology during 6^{th}to10^{th} May, 2019.
- Attended for Two Week National Workshop and Summer School on "Advances in Deep Architectures for Signal, Image, and Vision Applications" IIIT, Allahabad, 2018.
- Attended \Two Day Workshop on Machine Learning and its Applications Using MATLAB" Organized By SCOPE, VIT University, Vellore, 2018.
- Attended Two Days Pre Conference Workshop on Image Processing and its Applications Using MATLAB" Organized By SCOPE, VIT University, Vellore, 2017.
- Attended a Workshop on \Data Science Research" Organized by Department of Computer Science and Engineering, NIT, Trichy, Sponsored By DST, 2016.

- Attended a Workshop on \Deep Learning in Computer Vision: Tools and Methods", organized by SCOPE, VIT University, Vellore, 2016.
- Attended One Week Workshop on Research Challenges and Issues in Big Data and Cloud Computing", Organized by Department of Computer Science and Engineering, JNTUK-University College Of Engineering Vizianagaram, Sponsored By IEEE, 2015.
- Participated in Two Day National Seminar on Cloud Computing", Organized By Department of Computer Science and Engineering, PVP Sidhartha Institute of Technology, Sponsored By SERB, DST, 2013.

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures:

- Recieved appreciation for delivering guest lecture at one week FDP on Latex - Migrate to Latex from word during 4th to 9th April 2023, Associated with CSI, Department of CSE, VNR VJIET, Hyderabad.

- Recieved appreciation for delivering guest lecture at one week FDP on Recent Trends in Cognitive Science and its Applications during 13th to 18th March 2023.

- \item Recieved appreciation for two day sessions as resource person on "Recent Trends in Neural Networks and Deep Learning" , IARE Institute, Hyderabad, Telangana (28-10-2022 to 29-10-2022).

- Recieved appreciation for two day sessions as resource person in one week national level workshop on Data Analytics and Learning, JSS science and technology university, Mysuru, Karnataka (5-10, September, 2022).

5.2. Articles/Chapters published in Books:

- Chapter published with titled as "Edge and Texture Feature Extraction Using Canny and Haralick Textures on Spark Cluster" in proceeding of the 2nd international conference on data engineering and communication technology, Springer, ICDECT-2017.

- Chapter published "Business Analysis during Pandemic Crisis Using Deep Learning Models" in a Book titles as "AI-Driven Intelligent Models for Business Excellence", IGI Global, May- 2022.

5.3. Books published as single author or as editor: NIL

5.4. Projects Guided:

   a) UG: 4

   b) PG: NIL

5.5. **Research Interests:** Computer vision, Machine Learning , Deep Learning, Java, Web Technologies.

5.6. Ph.D. students:

a) Enrolled: NIL

b) Submitted: NIL

c) Awarded: NIL

5.7. Papers published in reviewed Journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Iceberg detection and tracking using two-level feature extraction methodology on Antarctica ocean	Acta Geophysica, Springer	ISSN: 1895-7455	SCIE(2.92)	International
2	The Study of DDOS Attacks and Classification Performance Using Machine Learning Techniques	European Journal of Molecular and Clinical Medicine	ISSN: 2515-8260	Google Scholar	International
3	Adaptive local neighborhood range based firefly algorithm for link prediction	International Journal of System Assurance Engineering and Management, Springer, (2021), 1-15	ISSN: 0976-4348	ESCI	International
4	Web Based Remote Sensing Image Retrieval using Multiscale and Multidirectional Analysis based on Contourlet and Haralick	International Journal of Intelligent Computing and Cybernetics, Emarald, (2021) 14(4).	ISSN No: 1756-378X	ESCI	International

	Texture Features				
5	Study of Predicting Heart Diseases Using KNN, Decision Tree and Random Forest Methods	International Journal of Computer Sciences and Engineering, (2021) 9(8) 27-29	ISSN: 2347-2693	SCOPE database indexed	International
6	Experimental Evaluation Of Unsupervised Image Retrieval Application Using Hybrid Feature Extraction By Integrating Deep Learning And Handcrafted Techniques	MeterialsToday proceedings, June-2021	ISSN: 2214-7853	1 SCOPUS indexed	International
7	Remote Sensing Image Retrieval by Integrating Automated Deep Feature Extraction and Handcrafted Features using Curvelet Transform	Journal of applied remote sensing, SPIE publications, 15(1) , 2021	ISSN: 1931-3195	1 I.F: 1.530 SCIE	International
8	Multiscale Texture Analysis and Color Coherence Vector Based Feature Descriptor for Multispectral Image Retrieval	Advances in Science Technology and Engineering Systems Journal, 4(6), 2019	ISSN: 2415-6698	3 SCOPUS indexed	International
8	Synthesized pansharpening using curvelet	Journal of applied remote sensing, SPIE publications, 13(3). 2019	ISSN: 1931-3195	8 I.F: 1.530	International

				SCIE	
9	An efficient image retrieval system using edge, lbp and wavelet based texture analysis	Journal of Advanced Research in Dynamical Control Systems, 10(10), 2018	ISSN: 1943-023x	SCOPUS Indexed	International
10	Areview of Visual Information Retrieval of Massive image Data Using Hadoop	International Journal of Control Theory and Applications (IJCTA), 9(28), 2016	ISSN- 0974-5572	5 SCOPUS indexed	International
11	Performance evaluation of Hadoop Distributed File System	International Journal of Computer Sciences and Engineering, 3(9), 2015	ISSN: 2347-2693		International

5.8. Papers presented at National / International Conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	CLASSIFICATION OF VEGETATION, SOIL AND WATER BODIES OF TELANGANA REGION USING SPECTRAL INDICES	International Conference on Artificial Intelligence	International	3 Days
2	ModifiedCuckooAlgorithm (mCA-CNN)forDetectionandDiagnosisofPancreaticTumorUsingRegion-BasedSegmentationTechniques	ICAAIC-2023	International	3 Days
3	Study of Feature Extraction Techniques for BCI Processing	IEEE 2nd SAMRTGENCON	Internatioinal	2 Day
4	Content Based Image Retrieval for SAR Image Data Using Multi-Resolution Analysis and Texture Feature Extraction	International Conference on Intelligent Computing and Remote Sensing- (ICICRS 2019), India	International	2 Days
5	A Survey On Image Retrieval Using Big Data Frameworks Based On	International Conference	International	2 Days

	Curvelet Feature Extraction	AT C. Abdul Hakeem college of Engineering and Technology (2018)		
6	Automatic Feature Extraction And Face Recognition Using Convolutional Neural Networks	International Conference AT C. Abdul Hakeem college of Engineering and Technology 2018	International	2 Days
7	Study of Content based Image Retrieval on large Scale Image datasets	International Conference on Recent Advances in Technoloy Engineening and Science, C. Abdul Hakeem college of Engineering and Technology. (2016)	International	2 Days
8	Performance evaluation of MongoDb Sharded Cluster and HDFS	National conference on Recent Trends in Information Technology, IJARCSE, (2016)	National	1Days
9	Hybrid Storage in Hadoop Distributed File System.	International Conference on Recent Trends in Computer Science, Anveshana Educational and Research Foundation.	International	1Days
10	Edge and Texture Feature Extraction using Canny and Haralick Textures on SPARK Cluster	ICDECT, Springer proceedings (Scopus) 2017	International	2 Days

5.9. Sponsored research Projects: NIL

5.10 Consultancy Projects: NIL

5.11 Patents published:

- Dr. Devulapalli Sudheer, Dr. Nagini S, Mr. Anudeep Eloori, Mr. D. Rushikesh and Mr. Ch. Nitish Kumar, CROP RECOMMENDATION AND DISEASE PREDICTION SYSTEM, 202341028135, Indian Patent published.

- D. Sudheer, Kesarla Mohanteja, ORGANIC FARMING FOR FLEDGLINGS: LEARN THE ROPES IN A ENTERTAINMENT APPROACH, 202141010228, Indian patent published.

- D. Sudheer, Anupama P, Vishalakshi A, Ramasubbareddy Somula, Md. Sameeruddin Khan, SMART WASTE SEGREGATION BASED ON MICROWAVE RADAR SIGNALS AND DEEP LEARNING MODELS, 202141025384, Indian Patent published.

- Vasumathy m, dr. Deepak raj d.m, devulapalli sudheer, mr.d.saidulu, framework for iot based smart agriculture monitoring system using cloud computing techniques, 202241016057, indian patent published.

6. Awards / Honors received:

- Recieved **"Best Young Researcher Award"** from Computer Society of India (CSI) on 06-May-2023.

- Recieved **"Best Young Researcher Award"** from Scientific International Publishing House (SIPH) on 27-Feb-2023.

- Certificate of appreciation received from Aditya Engineering College, Peddapuram for organizing a free hands on workshop on BigData Processing with Hadoop (2015).

- Certificate of appreciation received by IIT Bombay for organizing a student development program offered by IITB spoken tutorials (2021).

- Certificate of appreciation received from SPIE publications for serving as a reviewer to the Journal of Electronic Imaging (2021).

- Certificate of appreciation received from SPIE publications for serving as a reviewer to the Journal of Electronic Imaging (2019).

Member of Professional Societies:
- Life member - International Association of Engineers (IAENG) – 268135
- IEEE professional member – 93882708.
- Computer Society of India, Hyderabad Chapter, Individual Member – 5021230026
- Scientific International Publishing House,(SIPHs) life time member - SIPH2023106

7. Motto: Teaching is not for earning it's for learning.