

Curriculum Vitae

Dr. P. Chandra Shaker Reddy
Associate Professor
Discipline of Computer Science and Engineering
CMR College of Engineering & Technology,
Hyderabad,
Telanagana State, India. Mobile No: 9703763343
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Career Objective:

To work in a teaching profession and have zeal to excel professionally with commitment & dedication to mould the younger generation for producing techno-savy engineers, especially help them to take the challenges of globalization & to grow from campus to lead the corporate world.

Professional Experience:

- **14+ years** (6 years in research) experience in Teaching
- Associate Professor at Discipline of Computer Science and Engineering, CMR College of Engineering & Technology, Hyderabad, India from 29th Nov-2017 to present
- Assistant Professor at Discipline of Computer Science and Engineering, St. Martin's Engineering College, Hyderabad, India from 18-June 2014 to 28th Nov-2017
- Assistant Professor at Discipline of Computer Science and Engineering, Malla Reddy Engineering College, Hyderabad, India from 1st June 2009 to 31st May-2014
- Assistant Professor at Discipline of Computer Science and Engineering, Medak College of Engineering and Technology, Siddipet, India from 18-June 2007 to 29th May-2009.
- **Ratified as Assist. Prof. by JNTUH in 2012.**
- Life Time Member of **LMISTE**.

Research Interests

- ❖ Data mining
- ❖ Big Data
- ❖ Predictive Analytics and Machine Learning

Google Scholar Profile: Citations: 38, h index: 3, i10 index: 1 on 02nd June-2021.

(Link: <https://scholar.google.co.in/citations?user=4PCsZhEAAA&hl=en>)

Scopus ID: 57198621778

Orcid ID: 10.2174/2210327910666191218124350

Dr. P. Chandrashaker Reddy

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Education Details:

Course	Specialization	University/Board/Institute	Year	Division
PhD	Big Data and Machine Learning	JNTUA, Ananthapur, AP.	2020	
M.Tech	CSE	OU/CBIT, Hyderabad.	2007	First-69.2
B.Tech	CSE	JNTUH/VIF CET , Hyderabad	2005	First-63.5
Inter	Maths	IPE ,AP.	2000	First-70.7
SSC		Secondary School Education, AP.	1998	First-76.5

Thesis and Reports

- ❖ P Chandra Shaker Reddy, **Rainfall Prediction and Crop Yield Management using Machine Learning Techniques**, PhD Thesis, Discipline of Computer Science and Engineering, Jawaharlal Nehru Technological University (JNTUA), Ananthapur, AP, India, Dec-2020 (PhD Thesis Supervisor: Prof. A Suresh Babu)
- ❖ P Chandra Shaker Reddy, **Social Recommendation with Cross-Domain Transferable Knowledge**, Master Thesis, Discipline of Computer Science and Engineering, Osmania University, Hyderabad, TS, India, Mar-2007. (Thesis Supervisor: Prof. Srinivasulu)

Patents

- ❖ Australia Patent successfully granted on 27-1-2021 with Application No. 2020103741, Title: **“Feed forward neural networks combined with extreme learning machine approach for large weather data”**.
Link:<http://pericles.ipaustralia.gov.au/ols/auspat/quickSearch.do?queryString=2020103741&resultsPerPage=>
- ❖ Indian Patent successfully granted 10.02.2021 with Application No. 202141005635, Title: **“Dynamic Device Management frame work for smart industries using OMA-DM IOT Protocol”**
Link: <https://ipindiaservices.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus>

Research Publications/Achievements:

Journal Papers-17

1. P. Chandra Shaker Reddy, “Deep learning based remote sensing technique for environmental parameter retrieval and data fusion from physical models”, **Arabian Journal of Geosciences, SCI Indexed Journal**. Vol. 14, Issue-13, (2021), pp. 1-10. DOI: <https://doi.org/10.1007/s12517-021-07577-3>.
2. P. Chandra Shaker Reddy, “SDVCA-A robust and Secure Data Communication protocol for MANET”, **Journal of Ambient Intelligence and Humanized Computing, SCI Indexed Journal**. (Under Revision).

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3. P. Chandra Shaker Reddy, "On Board pointing error detection and estimation of observation satellite data using extended kalman filter", Wireless personal communications, **SCI Indexed Journal**. (Under Revision).
4. P. Chandra Shaker Reddy, "Development of Rainfall Forecasting Model using Machine Learning with Singular Spectrum Analysis", IJUM Engineering Journal, Vol. 23, Issue-1, (2022), pp. 1-15. **DOI:** [https://doi.org/ 10.31436/iiumej.v23i1.1822](https://doi.org/10.31436/iiumej.v23i1.1822), **Web of Science, ESCI and Scopus Indexed (press)**.
5. P Chandra Shaker Reddy and A Sureshababu, "An Adaptive Model for Forecasting Seasonal Rainfall Using Predictive Analytics", International Journal of Intelligent Engineering and Systems, Vol. 12, Issue-5, (2019), pp. 22-32. **DOI:** 10.22266/ijies2019.1031.03, **Scopus Indexed**.
6. P. Chandra Shaker and A. Sureshababu, "An Enhanced Multiple Linear Regression Model for Seasonal Rainfall Prediction", International Journal of Sensors, Wireless Communications and Control, Vol. 10, Issue 4, (2020). Pp. 473-483, Bentham Science Publishers, **DOI:** [https://doi.org/ 10.2174/2210327910666191218124350](https://doi.org/10.2174/2210327910666191218124350), **Scopus Indexed**.
7. P Chandra Shaker Reddy and A Sureshababu, "Rainfall Prediction Based Crop Analysis using LSTM in Coastal Andhra Pradesh Region", Journal of Advanced Research in Dynamical and Control Systems, Vol. 11, Issue-2(S), (2019), pp. 1967-1979, **Scopus indexed**.
8. P Chandra Shaker Reddy and A Sureshababu, "A Personalized Artificial Neural Network Model for Crop Yield Forecasting", Journal of Advanced Research in Dynamical and Control Systems, Vol. 11, Issue-5(S), (2019), pp. 2209-2219, **Scopus indexed**.
9. P Chandra Shaker Reddy and A Suresh Babu, "Usage of co-event pattern mining with optimal fuzzy rule-based classifier for effective web page retrieval", International Journal of Engineering & Technology, Vol. 7(4), 2018, pp. 275-279. **Scopus Indexed**.
10. P Chandra Shaker Reddy et al. "Predicting Personality from Micro-Blogs using Supervised Machine Learning Models", International Journal of Computer Sciences and Engineering, Vol. 9(4), 2021, pp. 7-14.
11. P Chandra Shaker Reddy et al. "Social Recommendation with Cross-Domain Transferable Knowledge", International Journal of Computer Science Engineering Techniques, Vol. 6(2), 2021, pp. 1-8.
12. P. Chandra Shaker and A. Sureshababu, "A Novel Approach to Analysis District Level Long Scale Seasonal Forecasting of Monsoon Rainfall in Andhra Pradesh and Telangana", Global Journal of Science Frontier Research: D Agriculture and Veterinary, Vol. 17, Issue 6, (2017), pp. 28-36.
13. P. Chandra Shaker Reddy and Y Sucharitha , "Hierarchically Distributed Data Matrix Scheme for Modeling and Building Data Processing Applications", International Journal of Computer Science Trends and Technology, Vol. 8(6), 12 (2020), pp. 107-112.
14. Yadala Sucharitha, P Chandra Shaker Reddy, "Ranking Spatial Data by Quality Preferences", International Journal Of Innovative Research In Technology, Vol. 7(7), 12(2020), pp. 35-42
15. P. Chandra Shaker Reddy et al, "A Novel Confidentiality on Hybrid Cloud Storage & Authorized duplicates checking" has published in International Journal of Research (IJR) 2016.
16. P Chandra Shaker Reddy et al., "Hierarchical Cluster filtering Processing for Large Scale Web Search Engine" has published in International Journal of Advanced scientific and technical research (IJASTR) ISSN NO 2249-9954, Vol. 4(2), Aug- 2012.

17. P Chandra Shaker Reddy and D Vasumathi, Article entitled “Analysis of clustering Algorithms”, has published in International Journal of Emerging Trends in Engineering and development (IJETED) ISSN NO: 2249 – 6149, Vol. 4(2), May 2012.

Conference Papers-08

1. P. Chandra Shaker Reddy and A. Sureshbabu, “An Applied Time Series Forecasting Model for Yield Prediction of Agricultural Crop” In International conference on Soft computing and Signal Processing (ICSCSP-2019), Advanced Intelligent Systems and Computing (AISC)”, Vol. 1118, **Springer**, Singapore. DOI: https://doi.org/10.1007/978-981-15-2475-2_16. **Scopus Indexed**.
2. P. Chandra Shaker and A. Suresh Babu, “Survey on Weather Prediction using Big Data Analytics” at **IEEE** Second International Conference on Electrical, Computer and Communication Technologies (ICECCT- 2017). DOI:10.1109/ICECCT.2017.8117883. **Scopus Indexed**.
3. P Chandra shaker reddy et al., “An Efficient Classification Algorithm to solve complex Objects in Data mining”, published in International Conference on Innovations in Computing and Communication (ICICC-2015).
4. P Chandra shaker Reddy et al., “Social Networks with Data mining”, published in International Conference on Communications, signal processing computation and Information Technology (ICCSPCIT-2015).
5. P Chandra Shaker Reddy et al. “Large Web Search Engine for Cluster filtering Processing”, published in International Conference on Emerging trends and Engineering Technology and Science (ICETETS-2014).
6. P Chandra Shaker Reddy et al. “Way to Learning Dropouts in Distance Education-A Study using Data mining Techniques”, published in International Conference on Emerging trends and Engineering Technology and Science (ICETETS-2014).
7. P Chandra Shaker Reddy et al., “Distance Learning a Way to Dropouts in Education using Data Mining Techniques” , published in National Conference on information system and knowledge based engineering, ISBN-978-93-82163-28-2, Aug -2013,(MRNC ISKE-2013).
8. P Chandra Shaker Reddy et al., “Analysis of clustering Algorithms”, published in National Conference on Emerging and Innovative Trends in Computer Science (NCEITCS-2012).

Book Chapters -02:

1. P Chandra Shaker Reddy et al. “A Personalized Artificial Neural Network for Rice Crop Yield Prediction”, Artificial Intelligence and Data Science for Recommendation Systems: Current Trends, Technologies and Applications, 2021, **Scopus Indexed**, Bentham Science Publishers. (Press).
2. P Chandra Shaker Reddy et al. “Rainfall Prediction based Crop Analysis using Deep Learning”, Urban computing with Artificial Intelligence and IoT (Emerging Technology for smart living) , 2021, **Scopus Indexed**, River Publications. (Under Review).

FDPs, Webinars and Conference Organized:

- ❖ A webinar on Current trends on Machine Learning and its Applications, 6th May, 2020, CMR College of Engineering and Technology, Hyderabad.
- ❖ A Certification program called Dell-EMC (DS-BDA) for selected final year students for 2-batches (2018, 2019), CMR College of Engineering and Technology, Hyderabad.
- ❖ Training program on Python Programming, 1st June to 15th June 2020, CMR College of Engineering and Technology, Hyderabad.
- ❖ Data Science with R-Tool Training, 11th Dec 2019 to 16th Dec 2019, CMR College of Engineering and Technology, Hyderabad.
- ❖ International conference on Advances in Computing & Communication Technologies, 2018, CMR College of Engineering and Technology, Hyderabad (With Dr. Mohd. Dilshan Ansari).
- ❖ National Conference on “Information Systems and Knowledge Engineering (MRNC ISKE 2013)”, 19th to 20th July-2013, Malla Reddy Engineering College, Hyderabad. (With Dr. Manjunath)

Development of New Courses:

- ❖ CSE- Data science
- ❖ CSE- AI ML

Subjects Taught:

Data warehouse and Data mining, Big Data Analytics, DBMS, Software Engineering, Software Testing Methodologies, Software Project Management, Operating System, R-Programming, Machine Learning etc.

M.Tech Thesis Supervision: 15

B.Tech Thesis Supervision: 30

Professional Activities:

- ❖ Life Time Member of LMISTE

Reviewer in National and International Conferences:

- ❖ International Conference on 2020 Sixth International Conference on e-Learning, 2020, Bengaluru, India.
- ❖ International Conference on Data Analytics for Business and Industry 2020
- ❖ International Conference on Decision Aid Sciences and Application (DASA) 2020
- ❖ 2020 International Conference on Innovation and Intelligence for Informatics, Computing and Technologies (3ICT)

Courses and Workshops Attended:

- Attended STTP for 2 weeks on “Data Science with Python” in Sreyas Institute of Technology (3rd – 16th Aug-2020)
- Attended STTP for 1 week on “Hands on Exposure in Python” in KCAS (June 2020)
- Attended one week FDP on “Artificial Intelligence” In NITS (May-2020)
- Attended one week FDP on “Emerging trends in Computer Science”, in BIT, 22-26 July 2020

- Attended one work refresher course on “Machine Learning with Python”, in KSRIT, 13-18 July 2020
- Attended one week FDP on “Introduction to Data mining and Machine Learning ”, in GPREC, 9-15 July 2020
- Attended 2 weeks course work on DBMS and Data mining in JNTUA, Anathapur in Feb- March 2017.
- Attended one week FDP on Big Data Analytics using R in SMEC Dec-2016.
- Attended 2 weeks course work on Research Methodology and Intellectual Property Rights in JNTUA, Anathapur in June-2016.
- Attended 5-Day FDP program on Qulik View Software in IARE Sept-2015.
- Attended 2- Day Training Program on Sumsung Tizen Software in KMIT Nov-2015
- Attended 6-Day FDP on “Recent Trends in Data base management System” In MLRIT Dec-2014.
- Attended 5-day Training Program in “IBM Rational SEED for Quality Program”, Technology used “Rational Quality Manager & Rational functional Tester” From 01-Aug-2013 to 05-Aug-2013.
- Participated in One Week (7 days) AICTE sponsored National workshop on “Cloud Computing” conducted by Dept. of IT, MRCET during 24-June-2013 to 29-June-2013.
- Attended 3-day workshop on “Recent Trends in Data Mining” from 10-Dec-2012 to 12-Dec-2012.
- Attended 1-day workshop on “Software Quality and Testing” at Osmania University (OU), Hyderabad on 15-Sept-2012.
- Participated in 3-day workshop on “ Free software with hands on” Organized by Dept. of CSE , MGIT, associated with SWETHA during 07-Sept-2012 to 09-Sept-2012
- Attended 3-day FDP on “Mobile Application Development of Information Technology” Organized by Dept. of CSE, MGIT, funded by AICTE from 06-Aug-2012 to 08-Aug-2012.
- Participated 2-day National level FDP on “Wireless Technologies” under TEQIP-II from 24-Mar-2012 to 25-Mar-2012.
- Participated 3-day National level FDP on “Effective Teaching Methodologies” Organized by Dept. of CSE, MRCET during 06-Dec-2012 to 08-Dec-2012.

Certification Programs

- ❖ Certified as Data Scientist from EMC Academic Associate in “Data Science and Big Data Analytics” in May 18 2019.
- ❖ Successfully completed 12 –weeks online NPTEL course on “Software Engineering” in Oct-2018
- ❖ Successfully completed 7-weeks online course on “Programming for Everybody”, offered by University of Michigan through Coursera platform in July-2020.
- ❖ Successfully completed 6-weeks online course on “Machine Learning Foundations: A case study Approach”, offered by University of Washington through Coursera platform in July-2020.
- ❖ Successfully completed 4-weeks online course on “Machine Learning to all”, offered by University of London through Coursera platform in July-2020.
- ❖ Successfully completed 7-weeks online course on “Machine Learning: Classification”, offered by University of Washington through Coursera platform in July-2020.

- ❖ Successfully completed 4-weeks online course on “AI for Everyone”, offered by DeepLearning.AI through Coursera platform in April-2020.
- ❖ Successfully completed online course on “Introduction to Relational databases and SQL”, offered by Coursera Project Network through Coursera platform in July-2020.

Awards and Achievements

- ❖ Best Teacher award in 2016 in St. Martin’s College of Engineering

Responsibilities Taken:

- ✓ Working as Placement coordinator from Dept side
- ✓ Participated and involved in NBA, UGC Autonomous and NAAC Work.
- ✓ Worked as Discipline Committee coordinator to Control the students and bring them to sit in the classes.
- ✓ Organized various need based trainings for final years students to get placements
- ✓ Organized and monitored trainings for 2nd year and 3rd years students to prepare them for placements.
- ✓ Worked as an exam branch coordinator from Dept.
- ✓ Assigning the project work to the students and helping them to clarify the doubts regarding to the assignments
- ✓ Worked as Class Mentor for solving the student problems to create healthy environment in the class.
- ✓ Organizing the workshops for students and arranging the guest lecturers for the students in order to provide them the additional knowledge
- ✓ Arranging educational trips for the students and maintaining a friendly relationship with them
- ✓ Creating opportunities for participation of students in discussion for being efficient in the communication
- ✓ Directing the students on how to use the study material for positive results in work.

Strengths:

- Utilizing the skill set for development of the organization
- Making use of self-made ideology to gain the positive results and obtaining the goals of the organization

Hobbies:

Reading books and Watching Cricket

Personal Details:

Father Name : P Chinna Reddy
Employment Status : Full time

Relationship status : Married
JNTUID : 61150407-100731
PAN Card No : BQLPP1704N
Aadhaar card No : 476058013895

Dr. P. CHANDRA SHAKER REDDY

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