CURRICULUM VITAE

Dr. M M Venkata Chalapathi,

S/o M V Seshaiah,

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Pulivendula, 516391   Mobile no: +91-9441737935,

YSR Kadapa (dist), A.P, India.   Email: mmv.chalapathi@gmail.com.

Career Objective:

   To keep me as continuous learner, improve my knowledge, associate with the students, help them to improve their technical skills, and to be a part of the team that works dynamically towards the growth of the nation.

Academic Profile:

- **Ph. D.** (C.S.E.) from Sri Satya Sai University of Technology and Medical Sciences, Sehore, Madhya Pradesh, on 11th April 2022.
- **M. Tech.** (C.S.E.) from J.N.T.U. College of Engineering, Anantapur in August-2009
- **B. Tech.** (C.S.E.) from Annamacharya Institute of Technology and Sciences, Rajampet in April-2006
- **Intermediate** from Vignan Junior College, Vadlamudi in March-2001
- **S. S. C** from S.M.O.H.S, Pulivendula in March-1999

Teaching Experience: Total experience is **15+ years**

- Working as an Assistant Professor Senior Grade-1 in School of Computer Science and Engineering, VIT-AP University, Amaravathi, Andhra Pradesh from 1st July 2022 to till data.
- Worked as an Assistant Professor in Annamacharya Institute of Technology and Sciences, Rajampet form 1st Dec 2010 to 30th June 2022.
- Worked as an Assistant Professor in Intell Engineering College, Anantapur form 1st Sept 2009 to 30th Nov 2010.

Ratification:

- Ratified by J.N.T.U, Anantapur for the post of Assistant Professor from February 2016.

- Multimedia Tools and Applications (https://link.springer.com/journal/11042)
- Automatika: Journal for Control, Measurement, Electronics, Computing and Communications
- The International Arab Journal of Information Technology (IAJIT)

Reviewer for Conferences

- 18th INDIACom; 11th 2024 International Conference on Computing for Sustainable Global Development 28th February - 1st March, 2024 (IEEE Conference ID: 61295)
- AIHC 2023 - EAI International Conference on Artificial Intelligence in Health care Applications
- IEEE Sponsored First International Conference on Computational Intelligence, Networks and Security (ICCINS 2023)
- 2nd International Conference on Intelligent Systems and Machine Learning (ICISML-2023)
- 6th International Conference on Intelligent Computing and Communication (ICICC-2022) organized by Department of CSE, G. Narayanamma Institute of Technology & Science through easy chair. (reviewer)
- 2nd International Conference on Advanced Network Technologies and Intelligent Computing (ANTIC-2022) organized by Department of Computer Science, Institute of Science, Banaras Hindu University, Varanasi, India through equinocs.springernature.com

Publications

1. Agarwal, N., Dahiya, V.K., **Chalapathi, M.M.V**., Basa, S.S., Ramesh, J.V.N. (2025). Forecasting Future Credit Card Delinquencies: Leveraging Data Tables and Visual Analysis for Enhanced Accuracy. In: Ortiz-Rodriguez, F., Tiwari, S., Krisnadhi, A.A., Medina-Quintero, J.M., Valle-Cruz, D. (eds) Electronic Governance with Emerging Technologies. EGETC 2024. Communications in Computer and Information Science, vol 2245. Springer, Cham. https://doi.org/10.1007/978-3-031-77029-6_13**(Scopus)**
2. Kumari Mohanty Rasmita, Venkata Rama Padmaja Chinimilli, Kumar Kanaparthi Suresh, Kanakala Srinivas, Ravikiran, K., Venkata Naga Ramesh Janjhyam, Nandan MohantySachi and **Maruthi Venkata Chalapathi Mukkoti**, "An Efficient Game Theory Based Multi-Objective Decision and Clustering (EGMDC) for Wireless Body Area Networks (WBANs)," in IEEE Access, vol. 12, pp. 163198-163223, 2024, doi: 10.1109/ACCESS.2024.3489631. **(SCIE)**
3. Dudekula, K.V.; **Chalapathi, M.M.V**.; Kumar, Y.V.P.; Prakash, K.P.; Reddy, C.P.; Gangishetty, D.; Solanki, M.; Singhu R. Physiotherapy assistance for patients using human pose estimation with raspberry pi. ASEAN J. Sci. Tech. Report. 2024, 27(4), e251096. https://doi.org/10.55164/ajstr.v27i4.251096 **(Scopus)**
4. Y. Salini, S. N. Mohanty, J. V. N. Ramesh, M. Yang and **M. M. V. Chalapathi**,

"Cardiotocography Data Analysis for Fetal Health Classification Using Machine Learning Models," in IEEE Access, vol. 12, pp. 26005-26022, 2024, doi: 10.1109/ACCESS.2024.3364755 **(SCIE)**

5. **M M Venkata Chalapthi**, D Khasim Vali, Y V Pavan Kumar, Ch Pradeep Reddy, Purna Prakash K, "An insight into viable machine learning models for early diagnosis of cardiovascular disease", Scalable Computing: Practice and Experience, Volume 25, Issues 1, pp. 187–203, DOI:10.12694/scpe.v25i1.2326 **(ESCI)**

6. Gupta, P., Jha, A., Gupta, B., Sumpi, K., Sahoo, S. and **Venkata Chalapathi, M.M**. 2023. Techniques and Trade-Offs in Function Inlining Optimization. EAI Endorsed Transactions on Scalable Information Systems. (Nov. 2023). DOI: https://doi.org/10.4108/eetsis.4453 **(ESCI).**

7. P. Gupta, L. S. Y. Kumar, J. V. V. M. S. D. Santosh, D. Y. Kumar, C. Dinesh, and **M. M. Venkata Chalapathi**, "Design of efficient Programming Language with Lexer using '$'-prefixed identifier", EAI Endorsed Transactions on Scalable Information Systems, vol. 11, no.2, Sep.2023. DOI: https://doi.org/10.4108/eetsis.3920 **(ESCI).**

8. **Chalapathi, Mukkoti Marathi Venkata**, A. Vijaya Krishna, G. Gopichand, Kadiyala Ramana, V. C. Bharathi, and Neeraj Sharma. "Prediction of Seed Germination Quality Utilizing Ensemble-Based Precision Forming." International Journal of Intelligent Engineering & Systems 16, no. 4 (2023). **(Scopus)**

9. Mohamed Iqbal, M., **Venkata Chalapathi, M.M**., Aarif Ahamed, S., Durai, S. (2023). Deep Learning-Based Facial Emotion Analysis. In: Jeena Jacob, I., Kolandapalayam Shanmugam, S., Izonin, I. (eds) Expert Clouds and Applications. ICOECA 2022. Lecture Notes in Networks and Systems, vol 673. Springer, Singapore. https://doi.org/10.1007/978-981-99-1745-7_35 **(Scopus)**

10. K. S. Arikumar, S. B. Prathiba, R. S. Moorthy, K. Tamilarasi, **M. M. V. Chalapathi** and A. Deepak Kumar, "The Role of Machine Learning in IoT: A Survey," 2022 3rd International Conference on Smart Electronics and Communication (ICOSEC), 2022, pp. 451-457, doi: 10.1109/ICOSEC54921.2022.9952042. **(Publisher: IEEE)**

11. **M. M. Venkata Chalapathi**, M. Rudra Kumar, Neeraj Sharma, S. Shitharth, "Ensemble Learning by High-Dimensional Acoustic Features for Emotion Recognition from Speech Audio Signal", Security and Communication Networks, vol. 2022, Article ID 8777026, 10 pages, 2022 https://doi.org/10.1155/2022/8777026 **(SCIE)**

12. **M. M. Venkata Chalapathi**, M. Rudra Kumar, "Speech Emotion Recognition using Supervised Bayes Learning on Digital Features of Multi-Label Data Corpus", Design Engineering, Vol. 2021, Issue: 9, pp. 1065 – 1078, 2021 **(Scopus)**

13. **M. M. Venkata Chalapathi**, "A Novel Two-Layer Feature Selection for Emotion Recognition with Body Movements", Lecture Notes on Data Engineering and Communications Technologies, 2021, Book DOI: 10.1007/978-981-15-8767-2_3, EID: 2-s2.0-85098050024, Part of ISSN: 23674520 23674512 **(Scopus)**

14. **M. M. Venkata Chalapathi**, "Speech and Facial Based Emotion Recognition Using Deep Learning Approaches", Lecture Notes in Electrical Engineering, 2021, Book DOI: 10.1007/978-981-15-7961-5_75, EID: 2-s2.0-85093823621, Part of ISSN: 18761119 18761100 **(Scopus)**

15. **M. M. Venkata Chalapathi**, M. Rudra Kumar "Pivot Based Seed Germination Assessment (PBSGA) Pattern for Germination Quality Analysis", Drugs and Cell

Therapies in Hematology, Volume 10. issue 3, 2021, ISSN: 2281-4876 **(Web of Science)**

16. **M M Venkata Chalapathi** "Self-Learning Based Emotion Recognition using Data Analytics", International Journal of Innovative Technology and Exploring Engineering, Volume 9(1), pp. 1233–1235, 2019 DOI: 10.35940/ijitee.L3285.119119 **(Scopus)**

17. **M.M. Venkata Chalapathi** , P Phanindra Kumar Reddy , A Vijaya Krishna, "Cyber Attack Detection using Deep Learning Methods" International Journal of Advanced Research in Science, Engineering and Technology Vol. 6, Special Issue , 2019 **(UGC)**

18. P Phanindra kumar Reddy, **M M Venkata Chalapathi**, "Detecting Failure Nodes in Mobile Wireless Networks: A Probabilistic Approach" International Journal of Advance Research in Science and Engineering, Volume No. 06, Issue no.01, 2017 **(UGC)**

19. M.Sreenivasulu, **M. M. Venkata Chalapathi**, A.Subramanyam, "Obtain Opinions From Online Reviews Based on the Trust" International Journal of Innovative Technologies, Vol.04, Issue.09, July-2016, Pages: 1613-1619

20. **M. M. Venkata Chalapathi**, R.Ranaprathap, Dr. C. Shoba Bindu, "Back-Stress-Based Packet-by-Packet Adaptive Routing Framework for Mobile networks" International Journal of Scientific Engineering and Technology Research, Vol.04, Issue.18, Pages:3327-3332, 2015

21. M.Venkateswarlu, **M.M.Venkata Chalapathi**, Dr.N.Kasi Viswanath, "A Integrated Framework to Protect Sensitive Information From Authorized Users", International Advanced Research Journal in Science, Engineering and Technology, Vol. 2, Issue 7, July 2015, DOI 10.17148/IARJSET.2015.2706

International Conferences:

- Presented a paper titled "A comprehensive analysis of the detection and classification of Potato and Corn Leaf Diseases utilizing Deep Learning Methods" in the 1st IEEE International Conference on Multidisciplinary Research in Technology and Management – MRTM 23, organized by New Horizon College of Engineering, Bengaluru on 22nd & 23rd September 2023.

- Presented paper with title "Design of efficient Programming Language with Lexer using '$'-prefixed identifier" at the 2nd International Conference on Intelligent Systems and Machine Learning (ICISML) organized by Sri Sri University, Cuttack, Odisha, held on July 27-28, 2023.

- Presented paper with title "Techniques and Trade-Offs in Function Inlining Optimization" at the 2nd International Conference on Intelligent Systems and Machine Learning (ICISML) organized by Sri Sri University, Cuttack, Odisha, held on July 27-28, 2023.

- Presented paper with title "Deep Learning-Based Facial Emotion Analysis" in the International conference on Expert clouds and Applications (ICOECA-2023), organized by R V College of Engineering, Bengaluru, held on 9-10 February 2023.

- Presented paper with title "The Role of Machine Learning in IoT: A Survey" in the 3rd international conference on Smart Electronics and Communication (ICOSEC-2022), organized by Kongunadu College of Engineering and Technology, Trichy, Tamil Nadu held on 20-22 October 2022.
- Presented paper with title "A Novel Two-Layer Feature Selection for Emotion Recognition with Body Movements" in the international conference on Computational Intelligence & Data Engineering, organized by Vasavi College of Engineering, Hyderabad on 8-9 August 2020.
- Presented paper with title "Speech and Facial Based Emotion Recognition Using Deep Learning Approaches" in the international conference on Advances in Computing and Communication Technologies, organized by CMR College of Engineering & Technology, Hyderabad in the Jan 2020.
- Presented a paper entitled "Detecting Failure Nodes in Mobile Wireless Networks: A Probabilistic Approach" at International Conference on ICASES at SSSUTMS, Sehore on 2nd Dec 2017.
- Presented a paper entitled "Multitier Security: Detecting Intrusions in Multitier Web Applications" at International Conference on ICEECE Organized by Institute of Research and Journals, Chennai on 28-07-2013.
- Presented a paper entitled "Technique for Securing Web Application against SQL Injection Attacks" at International Conference on ICOREM Organized by Anna University, Tiruchirappalli on 28-05-2009.

National Conferences:

- Presented a paper entitled "Soil and Land Classification for Better Crop Suggestion using Image Processing", in the National Conference on Emerging Trends in Engineering & Technology (NCETET-2021) at AITS, Rajampet on 15th September 2021.
- Presented a paper entitled "Ant Colony Based Routing for Mobile AD-HOC Networks towards Improved Quality of Services" at National Conference on High Performance Computing Organized by AITS, Rajampet on 08-02-2014.
- Presented a paper entitled "Effective Navigation of Query Results Based on Concept Hierarchies" at National Conference on NCECEP-2012 Organized by Audisankara College of Engineering, Gudur on 01-06-2012.

Guest Lectures / Webinars Delivered:

- ➤ Delivered a pre-conference tutorial on "Artificial Intelligence for Sustainable Development" at Sasi Institute of Technology and Engineering, Tadepalligudem on 23/02/2024.

- ➤ Delivered a guest lecture on "Human centered Explainable AI" as a part of one week ATAL-FDP on "Explainable AI in Automated Driving: A user-Centered Interaction

Approach for explicit understanding of Users, Tasks and Environments" at G.Narayanamma Institute of Technology & science (for women), Hyderabad, on 23/11/2023.

- Delivered a webinar on "Advanced Concepts in Java" for B. Tech CSE students of Annamacharya Institute of Technology and Sciences Tirupati, from 10am to 12pm on 21-05-2023 in Microsoft Teams (online).

- Delivered gust lecture on "Applications of Artificial Intelligence" for II B. Tech CSE students of Madanapalle Institute of Technology & Science, Madanapalle, from 10am to 12pm on 31st March 2023 in Microsoft Teams (online).

- Delivered guest lecture on "Decidable and undecidable languages in Theory of Computation" for 3 B. Tech. CSE Students of Rajalakshmi Engineering College, Chennai, from 10am to 12pm on 5th November 2022.

- Delivered one day Guest lecture on "Java Programming" for II B.Sc. Loyola Degree College (YSRR), Pulivendula on 11th July 2018.

Certifications:

1. "Machine Learning with Python", 6-Week course, completed on 25-05-2020 offered by International IBM and offered through Coursera
2. "Neural Networks and Deep Learning", 4-Week course, completed on 15-06-2020 International DEEPLEARNING.AI through Coursera
3. "Internet of Things: Communication Technologies", 4-Week course, completed on 13-07-2020, International University of California, San Diego through Coursera.
4. "R Programming", 4-Week course, completed on 12-11-2021, Johns Hopkins University, through Coursera.

Workshops / Faculty Development Programs Attended:

1. 5 Day Faculty Development Program on "Research Scopes in Data Science & Its Applications" Organized by School of Computer Science and Engineering (SCOPE), VIT-AP University from 30th May to 3rd June 2023.
2. One week FDP on "New Faculty Orientation Programme –July 2022" organized by VIT-AP University from 26th July 2022 to 3rd August 2022.
3. Five day FDP on "Resent trends and applications of NLP" organized by Dept. of CSE, SCMS School of Engineering and Technology, Karukutty, kerala from 15-02-2022 to 18-02-2022.
4. One week Orientation/Refresher programme on "Internet of Things & Applications" organized by Engineering college, Bikaner during 9-12-2021 to 15-12-2021

5. One Week Faculty Development Program on "Machine Learning Concepts & It's Applications" organized by Vardhaman College of Engineering, Hyderabad, 14th – 18th June 2021.
6. Two Week Faculty Development Program on "Cyber Security and Block chain technologies" organized by Srinivasa Ramanajan Institute of Technology, Ananthapuramu, 17th – 29th May 2021.
7. One Week Faculty Development Program on "Advance of Intelligent System and Computing" organized by JIS College of Engineering, 20th – 24th April 2021.
8. One Week Faculty Development Program on "Quantum Computing and Machine Learning" organized by JNTU College of Engineering, Pulivendula, 30th Nov – 5th Dec 2020.
9. One Week Faculty Development Program on "Block chain" organized by JNTU College of Engineering, Ananthapuramu, 8th – 12th September 2020.
10. One Week Faculty Development Program on "Introduction to Data Mining and Machine learning" organized by G Pulla Reddy Engineering College, Kurnool, 9th – 15th July 2020.
11. A Two-week AICTE approved Faculty Development Program on "Big Data Analytics and Machine learning" organized by AITS, Rajampet, 18th – 30th December 2019.
12. One Week Faculty Development Program on "Artificial Intelligence with IBM Watson" organized by AITS, Rajampet, 2nd – 7th December 2019.
13. Participated in hands on workshop on "IoT and Drones" conducted at Amritha Vishwa Vidyapeetam, Coimbatore form 16-03-2019 to 17-03-2019.
14. Participated in an institutional workshop "Training the Teachers in Communicative English" conducted at AITS, Rajampet from 26-08-2013 TO 02-09-2013.
15. Participated in workshop "Rational Software Architect" by IBM conducted at AITS, RAJAMPET from 01-02-2013 TO 03-02-2013.
16. Participated in National Level Seminar on "Android" conducted by Department of Computer Science & Engineering, AITS Hyderabad on 26-27 March 2012.
17. Participated in workshop "Mission 10X" conducted by Wipro at AITS, Rajampet from 14-02-2011 TO 18-02-2011.
18. Attended FDP on "Free Software-A Research Perspective" organized by JNTUCEA at Anantapur on 12th and 13th March 2009.
19. Attended FDP on "A Two-day National Workshop on Faculty Development" organized by St. Stanley College of Engineering & Tech., at Patancheru on 10th and 11th Feb 2007.

Research Guidance:

Ph. D – 2 scholar
M. Tech. – Guided 8 students.
B. Tech. – Guided more than 200 students

Professional Memberships:

- Member in Institution of Engineers India (IEI)
- Life time Member in Indian Society for Technical Education (ISTE)

Contribution to the Department / Institution

- Working as Coordinator, Career Development Cell (CDC) in VIT-AP University
- Member Board of Studies and coordinator for the Department of Computer Science and Engineering, Annamacharya Institute of Technology and Sciences, Rajampet (Autonomous), YSR Kadapa (Dist.), Andhra Pradesh from 2018 to June 2022.
- Coordinator for student counsellors in the Department of Computer Science and Engineering, Annamacharya Institute of Technology and Sciences, Rajampet
- Played various roles in accreditation like NBA, NAAC and Autonomous works, etc.

Courses Taught:

C and Data Structures, Advanced Data Structures using C++, Operating Systems, Python Programming, Java Programming, Object oriented analysis and design using UML, Computer Organization, Computer Networks, Mobile Application Development, Big Data, Artificial Intelligence, Applications of Artificial Intelligence etc.

Personal Profile:

Name	: M M Venkata Chalapathi
Father's Name	: M V Seshaiah
Mother's Name	: M Ramalakshumma
Date of Birth	: 01-07-1984
Gender	: Male
Nationality	: Indian
Religion	: Hindu
Cast	: BC-D
Languages Known	: English, Telugu and Hindi.
Marital Status	: Married
Children	: 2 children

Declaration:

I hereby declare that the above mentioned information is correct up to my

knowledge and I bear the responsibility for the correctness of the above mentioned particulars.

Place: Amaravati

Date: 3/01/2025   **(Dr. M M Venkata Chalapathi)**