

Resume

Dr.Gandi Satyanarayana

Professor

Male, Indian, Born on 6th May 1973



Department of Computer Science & Engineering

Avanthi Institute of Engineering and Technology (Autonomous)

Cherukupally (Village), Near Thagarapuvalasa Bridge, Vizianagaram (Dist.), AP, Pin-531162

Mobile: 9849202645, 9494451851

Mail: satyanarayanagandi@gmail.com, hod.cse@avanthi.edu.in

Career Objective:

To pursue a challenging and rewarding career in a progressive academic and research-oriented organization where I can effectively utilize and enhance my knowledge, skills, and experience in **Computer Science and Engineering, Artificial Intelligence, and emerging technologies**, while contributing to **academic excellence, research, innovation, institutional development, and accreditation and approval processes** through dedication, commitment, and continuous learning.

Education:

Ph.D in Computer Science & Engineering, Successfully Defended, **19th September, 2016**

Department of Computer Science & Engineering, GIT, GITAM University, Visakhapatnam, India.

Guidance: Prof.P.Seetharamaiah, Research Director, Department of Computer Science and Systems Engineering, AU College of Engineering (A), Andhra University, Visakhapatnam.

Research Area: **Artificial Intelligence, Safety-Critical Computer Systems**

Purpose: Safety Assessment of Safety-Critical Computer Systems.

Thesis: “A Frame work for Safety Assessment in Safety - Critical Computer Systems”.

Publications: More Than Fifty research papers in International Journals (SCI Free Jounals-6, Scopus-20, UGC Care- 23), and Scopus Conferences (3). Like IEEE, Springer, Elsevier, etc,

M.Tech. in Computer Science & Technology with Specialization in **Artificial Intelligence and Robotics**, Department of Computer Science and Systems Engineering, AU College of Engineering(A), Andhra University, Visakhapatnam, India with 70.78%, August, 2008.

Specialization: Artificial Intelligence & Robotics: Developed a medical expert system as a part of the final project.

Work Experience:

✚ Working as a Professor and Head in the department of Computer Science & Engineering at Avanthi Institute of Engineering and Technology, Cherukupally (Village), Near Thagarapuvalasa Bridge, Vizianagaram (Dist.), AP, Pin-531162, since 1st May, 2019 to still date.

✚ Worked as a Professor & Head in the Department of Computer Science & Engineering at Avanthi Institute of Engineering & Technology, Makavarapalem, Visakhapatnam, and ratified by JNTUK, Kakinada, from 25th May, 2017 to 30th April, 2019.

- ✚ Worked as a Professor in the Department of Computer Science & Engineering at Dadi Institute of Engineering & Technology, GVMC, Visakhapatnam, from 21st September, 2016 to 13th May, 2017.
- ✚ Worked as an Associate Professor in the Department of Computer Science & Engineering at Dadi Institute of Engineering & Technology and ratified by JNTUK, Kakinada, GVMC, Visakhapatnam, from 1st September, 2008 to 20th August, 2016.
- ✚ Ratified as an Associate Professor with Lr.No.JNTUK/DAA/Ratified Candidates List, Kakinada dated 07-04-2022.
- ✚ Ratified as an Assistant Professor with Lr.No.JNTUK /DAA/List of faculty ratified by JNTUK, Kakinada dated 14-10-2010.
- ✚ Ratified as an Assistant Professor with Lr.No.JNTUK /DAA/List of faculty ratified by JNTUK, Kakinada dated 20-02-2018 to 22-02-2018
- ✚ Worked as an Assistant Professor in the Department of Computer Science & Engineering at Dadi Institute of Engineering & Technology, GVMC, Visakhapatnam, from 30th June, 2007 to 31st August, 2008.
- ✚ Worked as an Assistant Professor& Head of the P.G. department, Dr. Hima Sekhar P.G College, Anakapalli, from 1st May, 2006 to 3rd June, 2007.
- ✚ Worked as an Assistant Professor& Head of the P.G. department, A.M.A.L.College Anakapalli, from 15th November, 1996 to 30th April, 2006.

Years of Experience:

Teaching	: 28 Years
Administration	: 20 Years
Research	: 18 Years

Administrative Experience:

- ✚ Head of the Department for Computer Science & Engineering, Avanti Institute of Engineering and Technology (Autonomous), Cherukupally (Village), Near Thagarapuvalasa Bridge, Vizianagaram (Dist.) from 1st May, 2019 to still date.
- ✚ IQAC Coordinator, of Avanti Institute of Engineering and Technology, Cherukupally (Village), Near Thagarapuvalasa Bridge, Vizianagaram (Dist)-531162 from 1st May, 2019 to still date. .
- ✚ As Dean–Academics, I developed and implemented Outcome-Based Education (OBE) and NEP 2020-aligned curricula by preparing engineering course structures, detailed syllabi, and academic regulations for B.Tech., M.Tech., MBA, and MCA programmes. I coordinated Academic Council meetings by preparing agendas, presenting curriculum proposals, recording proceedings, and drafting the minutes for approval and implementation. I also ensured that the curriculum, assessment framework, and academic regulations complied with AICTE, UGC, NBA, and university guidelines while incorporating industry-oriented, multidisciplinary, and skill-based learning practices
- ✚ Applied for NBA and faced the NBA expert committee in Avant Institute of Technology

- ✚ Head of the Department for Computer Science & Engineering, Avanthi Institute of Engineering and Technology, Makavarapalem, from June 2017 to April, 2019.
- ✚ Served as the IQAC and NAAC Coordinator, successfully submitting four years of AQARs and the Self-Study Report (SSR), addressed DVV clarifications, faced the Peer Team Committee, and achieved an “‘A+’ Grade with a CGPA of 3.38/4” for NAAC Cycle 2 of Avanthi Institute of Engineering and Technology, Cherukupally (Village), Near Tagarapuvalasa Bridge, Vizianagaram (District), Pin-531162 Faced with JNTU Fact Finding Committees, AP Task Force Committees, SBTET Inspections Committees, etc.
- ✚ Served as the NAAC Coordinator, successfully submitting SSR for NAAC Cycle 1 of Avanthi Institute of Pharmaceutical Sciences, Cherukupally (Village), Near Tagarapuvalasa Bridge, Vizianagaram (District), Pin-531162, achieved an 'A+' Grade with a CGPA of 3.28/4.
- ✚ Head of the Department for Information Technology DIET from June 2008 to August 2015.
- ✚ Convener of Admissions from 2013 to 2016 in Dadi Institute of Engineering and Technology.
- ✚ Governing Body (GB) member of Avanthi Institute of Engineering and Technology (Autonomous), Cherukupally (Village), Vizianagaram (Dist.), AP, Pin-531162
- ✚ Governing Body (GB) member of Dadi Institute of Engineering and Technology.
- ✚ Faced with JNTU Fact Finding Committees, AP Task Force Committees, SBTET Inspections Committees, etc.
- ✚ Head of the Department for the PG Courses at AMAL College.
- ✚ Academic Committee Member at DIET from 2006 onwards.
- ✚ Convener of Grievance & Redrassal Committee.
- ✚ Member of Anti-Ragging & Discipline Committee.
- ✚ SPOC Infosys Campus connect program.
- ✚ Chief Superintendent for EAMCET, POLYCET, India Post, VIZAG STEEL and TCS online Exams AIEEE, JEE Mains, GATE, SBI POs,

Research Profile and Academic Contributions:

- ✚ **Registered for Ph.D. on 12 March 2009** and subsequently **awarded the Ph.D. degree** under the esteemed guidance of **Prof. P. Seetharamaiah, Research Director, Department of Computer Science & Systems Engineering, Andhra University, Visakhapatnam.**
- ✚ Published research papers in **National and International Journals and Conferences**, including **SCI-indexed/SCI Free journals, Scopus-indexed journals, UGC-CARE journals, and Scopus-indexed conference proceedings.**
- ✚ Published research papers in reputed **IEEE, Elsevier, and Springer** publications.
- ✚ Published IEEE, Elsewhere, Springer based papers.
- ✚ Awarded Ph.D. Degree.
- ✚ ORCID id: <https://orcid.org/0000-0003-0612-6424>
- ✚ Scopus Author ID: **57192102567**
- ✚ Vidwan ID: **317482**
- ✚ Served as **Session Chair** at the *International Conference on Advanced Material Technologies (ICAMT-2016)* held on **27–28 December 2016 at Visakhapatnam**, associated with Elsevier conference proceedings.
- ✚ Served as **Chairperson for Cloud Computing Technical Sessions** at the **CSI Annual Student Convention–2013**, organized by the CSI Visakhapatnam Chapter and JNTUK at Andhra University.

- ✚ Served as a **Technical Committee Member** for international conferences associated with Elsevier proceedings.
- ✚ Recognized as a **Research Guide by JNTU-GV** and currently **guiding one Ph.D. research scholar**.

Subjects Taught:

Artificial Intelligence (AI), Machine Learning (ML), Mathematical Foundations of Computer Science, Computer Graphics, Formal Languages and Automata Theory, Human Computer Interaction, Object Oriented Analysis and Design, Compiler Design, Software Engineering, C Programming, Digital Logic and Design, Computer Organization, Embedded Systems, Artificial Intelligence, Machine Learning, Expert Systems, Neural Networks, Automata Compiler Design, Data Base Management Systems, etc.,

Membership of Professional Bodies:

- ✚ Life member of The Indian Society for Technical Education (ISTE) with Id: 132317
- ✚ Member of International Association of Engineers (IAENG) with Id: 117467
- ✚ Member of Computer Society of India (CSI) since 2007 with Id: F8003349
- ✚ Life member of Teaching and Education Research Association (TERA) with Membership ID: TERA-M110473
- ✚ CSI Student Branch Counselor at NSRIT
- ✚ CSI Student Branch Counselor at DIET
- ✚ Bagged the CSI's "Longest Continuous SBC Award" for 2012-13 at National Level, received at CSI National Level Meet, Kolkata
 - ✚ Organized hackthons and various student events as CSI SBC at NSRIT from 2019-2021
 - ✚ Achieved CSI's "Best Student Branch Award" for 2013-14 at National Level
 - ✚ Achieved "Best Performance Award" from CSI Visakhapatnam chapter for 2011-12, 2012-13 & 2013-14
 - ✚ Organized CSI's "2nd AP State Level Student Convention-2012" (APSLSC-2012) at DIET.
 - ✚ Management Member of CSI Visakhapatnam Chapter.
 - ✚ Organized several technical workshops, seminars, quiz, etc. For the student community.
 - ✚ Active Member of CSI Visakhapatnam Chapter
- ✚ Convener of a Two-Day National Level Student Symposium "ACUMEN-2010" in association with ACM held during 12-13 Feb 2010 at DIET.

Research Publications:

1. Title: "**High-Efficiency Triple-Band Antenna Design for Next-Generation Wireless Technologies**" **Gandi Satyanarayana**, Krishnamoorthy N and others Journal: Internet Technology Letters, Publisher John Wiley & Sons Ltd, ISSN: 2476-1508, Page No's: 1-6, Month and Year: June, 2025, <https://doi.org/10.1002/itl2.70078> , SCI Journal Publication
2. Title: "**A mass correlation based deep learning approach using deep Convolutional neural network to classify the brain tumor**" **Gandi Satyanarayana**, P. Appala Naidu, Dr. Venkata Subbaiah Desanamukula, Kadupukotla Satish kumar, B. Chinna Rao, Journal: Biomedical Signal Processing and Control, Publisher: Elsevier, The Boulevard, Langford

Lane, Kidlington, Oxford, England, Oxon, OX5 1GB, ISSN / e-ISSN: 1746-8094 / 1746-8108, Volume: 81, March, 2023. <https://doi.org/10.1016/j.bspc.2022.104395>, SCI Journal Publication

3. Title: **“An effective image denoising method with the integration of thresh holding and bilateral filtering”** Gandhi Satyanarayana, B. Chinna Rao, S. Saradha Rani, Journal: Multimedia Tools and Applications, Publisher: Springer, VAN Godewijck straat 30, Dordrecht, Netherlands, 3311 GZ, ISSN / e-ISSN: 1380-7501 / 1573-7721, Issue 3, Volume 82, 26th April, 2023. <https://doi.org/10.1007/s11042-023-15266-4>, SCI Journal Publication
4. Title: **“Deep learning Approaches for Otitis Classification in Auditory Imaging”** Gandhi Satyanarayana, Journal: Journal of Internet Technology Letters, publisher: John Wiley & Sons Ltd, The Atrium, Southern Gate, Chichester, England, W Sussex, PO19 8SQ,
5. Title: **“Analyzing cybercrime data with the aid of Bayesian Network Classification using automated Intrusion Detection System”** Journal: Springer International Journal of Machine Learning and Cybernetics, ISSN/ e-ISSN: 1868- 8071 1868-808X
6. Title: **“Epilepsy Detection and classification using hybrid deep learning methods”** Journal: Knowledge-Based Systems, ELSEVIER Radarweg 29, Amsterdam, Netherlands, 1043 NX, and ISSN/e-ISSN: 0950-7051 1872-7409.
7. Title: **“Anomaly Detection Using Deep Learning for Fog-Assisted Iovs Network”** Gandhi Satyanarayana, Journal: American Journal of Psychiatric Rehabilitation, ISSN: 1548-7776 Vol. 28 No. 1 (2025) January, Pages: 993-1002, DOI: <https://doi.org/10.69980/ajpr.v28i1.425>, SCI Journal Publication

Published Journals:

1. **“PHYTOVERSE: HIGH-PRECISION AGRICULTURAL INTELLIGENCE SYSTEM”** Gandhi Satyanarayana, S.Durga Prasad, GIS Science Journal| ISSN: 1869-9391 | Volume 13, Issue 8, 2026 | Page Nos: 102-105, <https://gisscience.org/wp-content/uploads/7-GISS-14729.pdf>, DOI: <https://doi.org/10.18001.GSJ.2026.V13I8.26.7297098>, Scopus Journal
2. **“Fake News and Deepfake Detection Using Transformer-Based Multi-Modal Networks”** Gandhi Satyanarayana, Ms.N.Anjali, AHURI Final Report Journal | ISSN: 1834-7223 | Impact Factor: 5.7, Volume 19, Issue 5, May 2026 | Page Nos: 90-94, https://e-ahuri.com/archives/?pac_abstract_id=1437, DOI: <https://doi.org/10.5281/zenodo.20727673>, Scopus Journal
3. **“Gesture Play: A Real Time Interactive Gaming System”** Gandhi Satyanarayana, Ms.Ch.Gunalakshmi, GIS SCIENCE JOURNAL| ISSN: 1869 -9391 | Volume 13, Issue 6, May 2026 | Page Nos: 294-296, <https://gisscience.org/wp-content/uploads/25-GISS-14659.pdf>, DOI: <https://doi.org/10.18001.GSJ.2026.V13I6.26.7297049>, Scopus Journal
4. **“SMART CLOUD STORAGE USING FACE RECOGNITION”** Gandhi Satyanarayana, Mr.Appalaraju Sanapathi, AHURI Final Report Journal | ISSN: 1834-7223 | Impact Factor: 5.7, Volume 19, Issue 5, May 2026 | Page Nos: 83-88, https://e-ahuri.com/archives/?pac_abstract_id=1434, DOI: <https://doi.org/10.5281/zenodo.20727572>, Scopus Journal

5. **“Real-Time Disaster Prediction and Emergency Response System using AI and Satellite Data”** Gandhi Satyanarayana, Mrs.Cheruggattu Nagalakshmi, AHURI Final Report Journal | ISSN: 1834-7223 | Impact Factor: 5.7, Volume 19, Issue 5, May 2026 | Page Nos: 77-82, https://e-ahuri.com/archives/?pac_abstract_id=1431, <https://doi.org/10.5281/zenodo.20727532>, DOI, Scopus Journal
6. **“Retrieving Audio from Object Detection Using Deep Learning”** Gandhi Satyanarayana, Ms.G.Triveni, GIS SCIENCE JOURNAL| ISSN: 1869 -9391 | Volume 13, Issue 6, May 2026 | Page Nos: 306-309, <https://gisscience.org/wp-content/uploads/27-GIS14660.pdf> , [DOI:20.18001.GSJ.2026.V13I6.26.7297051](https://doi.org/10.18001.GSJ.2026.V13I6.26.7297051), Scopus Journal
7. **“Real Time Stock Market Analysis Using Agentic AI”** Gandhi Satyanarayana, Mrs. Molli Rajani, AHURI Final Report Journal | ISSN: 1834-7223 | Impact Factor: 5.7, Volume 19, Issue 5, May 2026 | Page Nos: 70-76, https://e-ahuri.com/archives/?pac_abstract_id=1428, DOI: <https://doi.org/10.5281/zenodo.20727481> , Scopus Journal
8. **“Android Malware Detection Using Multimodal Deep Learning and Ensemble Methods”** Gandhi Satyanarayana, others, AHURI Final Report Journal | ISSN: 1834-7223 | Impact Factor: 5.7, Volume 19 Issue 5, May 2026 | Page Nos: 65-69, https://e-ahuri.com/archives/?pac_abstract_id=1387 , DOI: 10.87349/ahuri/190505, Scopus Journal
9. **“FAKE NEWS DETECTION SYSTEM USING FEATURED-BASED OPTIMIZED MSVM CLASSIFICATION”** Gandhi Satyanarayana, Mrs. M. Amara, Journal of Applied Bioanalysis, ISSN: 2405-710X, Volume:11, Special Issue No.6, December, 2025, Pages:655-661, DOI:[10.53555/jab.v11si6.2155](https://doi.org/10.53555/jab.v11si6.2155), Link: <https://journalofappliedbioanalysis.com/fake-news-detection-system-using-featured-based-optimized-msvm-classification>, Scopus Journal
10. **“Attack Detection for Secure data transmission using Internet of Things-Based Convolutional Neural Network”** Gandhi Satyanarayana, others, Journal of Environmental Protection and Ecology, ISSN: 1311-5065, Volume:25, No.4, March, 2024, Pages: 1025-1031, <https://scibulcom.net/en/journal/1311-5065/issue/2024-25-4/>, Scopus Journal
11. **“SMART VIRTUAL COMPANION: PERSONALITY-TUNED AI”** Gandhi Satyanarayana, Gowri Sankar Avala, Journal of Applied Bioanalysis, ISSN: 2405-710X, Volume:11, Special Issue No.6, December, 2025, Pages:1427-1430, DOI: 10.69980/jab.v11si6.2977, Link: <https://journalofappliedbioanalysis.com/smart-virtual-companion:-personality-tuned-ai>, Scopus Journal
12. **“Construction Site Hazard and PPE Compliance Detection Using YOLOv8: A Real-Time Computer Vision Approach”** Gandhi Satyanarayana, B.Prasanna kumari, Journal of Applied Bioanalysis, ISSN: 2405-710X, Volume:11, Special Issue No.6, December, 2025, Pages:1431-1435, DOI:[10.53555/jab.v11si6.2155](https://doi.org/10.53555/jab.v11si6.2155), Link: <https://journalofappliedbioanalysis.com/fake-news-detection-system-using-featured-based-optimized-msvm-classification>, Scopus Journal
13. **Graph Neural Network For Finding Financial Fraud”** Gandhi Satyanarayana, Mrs. P. Shirisha, Journal of Applied Bioanalysis, ISSN: 2405-710X, Volume:11, Special Issue No.6, December, 2025, Pages:13-19, DOI: [10.53555/jab.v11si6.1098](https://doi.org/10.53555/jab.v11si6.1098), Link: [https://journalofappliedbioanalysis.com/journal-of-applied-bioanalysis-vol-11-special-issue-6%20\(Engineering%20and%20Technology\)](https://journalofappliedbioanalysis.com/journal-of-applied-bioanalysis-vol-11-special-issue-6%20(Engineering%20and%20Technology)) , Scopus Journal

14. **“A Security Defending Regional Memory Evaluation Strategy For Content Exchange”** Dr.Gandi Satyanarayana, Dr. Akula Chandrashekar, Journal for Educational Administration: Theory and Practice, ISSN: 2148-2403, Volume:30, No.5, May, 2024, Pages: 6578-6585, <https://doi.org/10.53555/kuey.v30i5.3978> , Scopus Journal.
15. **“Finding Related Posts On Social Media Through Content Semantic Similarity”** Dr.Gandi Satyanarayana, Dr. Akula Chandrashekar, Journal for ReAttach Therapy and Developmental Diversities (JRTDD), e-ISSN:2589-7799,Volume:6,No.7s August,2023, Pages:927-934, DOI: <https://doi.org/10.53555/jrtdd.v6i7s.2357>, Scopus-Journal.
16. **“Privacy Preserved Patients Report Summary”** Dr.Gandi Satyanarayana, Dr. Akula Chandrashekar, Dogo Rangsang Research Journal (DRSR), UGC Care Group I Journal, ISSN: 2347-7180, Vol-13, Issue-6, and No.6, June 2023, Pages: 86-93.
17. **“Theft Detector in Bank ATM Using Internet of Things”** Dr.Gandi Satyanarayana, Dr Kadupukotla Satish kumar, and Dr.P.Appala Naidu, International Journal of Research and Analytical Reviews (IJRAR), P-ISSN: 2349-5138, E-ISSN: 2348-1269, Volume: 6, Issue: 1, March, 2019, Pages: 268-275, UGC Care S.No.43602.
18. **“Safety Critical System Analysis”** Dr. Gandhi Satyanarayana and Dr. K.Satish Kumar, International Journal of Emerging Technologies and Innovative Research (IJTIR), ISSN:2349-5162,Volume:6, Issue:1, January,2019, Pages:127-133, UGC Care: S.No: 63975.
19. **“Cryptography Based Misbehavior Detection for Opportunistic Networks”** Dr.Gandi Satyanarayana, G.Sai Sravani and others, International Journal & Magazine of Engineering, Technology, Management and Research (IJMETMR), ISSN: 2348-4845, Volume: 7, Issue: 5, May, 2020, Pages: 14-23.
20. **“Use of inductive semi supervised approach-based Sentiment analysis for movie reviews”**, Abinash Tripathy, Panchanand Jha, Dr.Gandi Satyanarayana, International Journal of Research and Analytical Reviews (IJRAR), P-ISSN:2349-5138, E-ISSN: 2348-1269, Volume:6, Issue:2, May,2019, Pages: 110-118, UGC Care S.No.43602.
21. **“Renovation of air Traffic Control Systems”** Dr.Gandi Satyanarayana, Dr. P.M.Manohar, Dr.P.Appala Naidu, the International Journal of Analytical and Experimental Modal Analysis (IJAEMA), ISSN: 0886-9367, Volume: I, Issue: XI, November, 2019, Pages: 3542-3547, UGC Care, S.No: 36272.
22. **“IoT based Street Light System for Energy Conversation”** Dr. Gandhi Satyanarayana, Dr. K.Satish Kumar, Journal of Applied Science and Computations (JASC), ISSN: 1076-5131, Volume: 6, Issue: 5, May, 2019, Pages: 4571-4578, UGC care S.No: 41238.
23. **“Use of inductive semi supervised approach-based Sentiment analysis for movie reviews”**, Dr. Gandhi Satyanarayana and others, International Journal of Research and Analytical Reviews (IJRAR), P-ISSN: 2349-5138, E-ISSN: 2348-1269, Volume: 6, Issue: 2, May, 2019, Pages: 110-118. UGC Care S.No.43602.
24. **“A Practical Safety Verification Methodology for Safety Critical Systems”** Dr. K.Satish Kumar, Dr. Gandhi Satyanarayana, Dr.P.Appala Naidu, Journal of Applied Science and

Computations (JASC), ISSN: 1076-5131, Volume: VI Issue: IV, April, 2019, Pages: 4245-4251, UGC care S.No: 41238.

25. **“Performance Study of Predictive Algorithms in predicting Student Placement Chance”** Dr.Gandi Satyanarayana, Dr. P.M.Manohar, Dr.P.Appala Naidu, The International Journal of Analytical and Experimental Modal Analysis (IJAEMA), ISSN: 0886-9367, Volume: I, Issue: XI, November, 2019, Pages: 3548-3561, UGC Care, S.No: 36272.
26. **“A Critical analysis of integration of Non-Functional Requirements into Design Patterns for Safety-Critical Computer Systems”** Dr.Gandi Satyanarayana, Dr Kadupukotla Satish kumar, International Journal of Creative Research Thoughts (IJCRT), ISSN: 2320-2882, Volume: 6, Issue: 2, April, 2018, Pages: 260-267, UGC Care S.No: 49023.
27. **“Safety Critical Systems based on Prescribed Models”** Dr. Gandhi Satyanarayana, Dr. K.Satish Kumar, International Journal of Engineering Technology Science and Research (IJETSR), ISSN: 2394-3386, Volume: 5, Issue: 5, May, 2018, Pages: 80-86, UGC Care S.No:44431.
28. **“Multi-Mode Biometric Detection with accuracy and Security”** Dr.P.Appala Naidu, Dr.P.M.Manohar, Dr.Gandi Satyanarayana, Journal of Emerging Technologies and Innovative Research (JETIR), ISSN:2349-5162, Volume:5, Issue:12, December, 2018, Pages:16-22, UGC Care S.No: 63975
29. **“Analyzing the impact of different Node Placement methods on DYMO routing protocol in MANETs”** Dr.Gandi Satyanarayana, P.M.Manohar, Dr.P.Appala Naidu, International Journal of Research and Analytical Reviews (IJRAR), P-ISSN:2349-5138, E-ISSN: 2348-1269, Volume:5, Issue:4, December, 2018, Pages: 369-377, UGC Care S.No.43602.
30. **“A Simple and Secure Data Transfer Over Location Based Cloud Services”** Dr.Gandi Satyanarayana, Doppa Alekhya, International Journal of Engineering Trends and Technology (IJETT), ISSN: 2231-5381, Volume: 59, Issue: 4, May, 2018, Pages: 196-199, Scopus-Journal.
31. **“Assessing the Significance of different terrain sizes on dymo routing protocol in manets”** P.M.Manohar, Dr.Gandi Satyanarayana, P.Appala Naidu, International Journal of Creative Research Thoughts (IJCRT), ISSN:2320-2882, Volume: 5, Issue: 4, November, 2017, Pages:371-376, UGC Care S.No: 49023.
32. **“A Secure and Efficient Lifetime Routing Optimization for End-to-End Communication in WSN”** MD Raziya, Dr G Satyanarayana, International Journal of Electrical Electronics Computers & Mechanical Engineering (IJEEM), ISSN: 2278-2808, Volume: 8, Issue: 5, July, 2018, Pages: 1-12.
33. **“Multi-Top Keyword Search Over Outsourced Data Files”** Cherukuri Kiranmai, Dr. Gandhi Satyanarayana, International Journal of Computer & Organization Trends (IJCOT), and ISSN: 2249-2593, Volume: 8, Issue: 4, July to August, 2018, Pages: 9-12.
34. **“Component Safety Assessment with the Markov Chain Model”** Gandhi Satyanarayana, P.Seetharamaiah, IEEE Xplore, and Publisher: IEEE, ISSN: 0973-7529, and ISBN: 978-9-3805-4421-2, October, 2016, Pages: 3476-3481, Scopus-Conference.

35. **“System Safety Assessment with the Markov Chain Model and Ternary Decision Diagram”**
Gandi Satyanarayana, P.Seetharamaiah, IEEE Xplore, and Publisher: IEEE, ISSN 0973-7529, ISBN: 978-9-3805-4421-2, October, 2016, Pages: 3511-3516, Scopus-Conference.
36. **“Secure and Efficient Data Transmission for Cluster-Based Wireless Sensor Networks”**
Sanghamitra Panda, Satyanarayana Gandhi, International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE), ISSN (Online): 2278-1021, ISSN: (Print): 2319-5940, Volume: 4, Issue: 1, January, 2015, Pages: 27-33.
37. **“System Safety Assessment with the Markov Chain”** Gandhi Satyanarayana, P.Seetharamaiah, International Journal of Innovative Research and Studies (IJIRS), ISSN: 2319-9725, Volume: 4, Issue: 12, December, 2015, Pages: 41-61, UGC Care S.No: 48273.
38. **“Component Safety Assessment Using Three-State Markov chain model”** Gandhi Satyanarayana, P.Seetharamaiah, International Research Journal of Engineering and Technology (IRJET), ISSN: 2395-0072, e-ISSN: 2395-0056, Volume: 2, Issue: 9, December, 2015, Pages: 299-306, UGC Care S.No: 45170.
39. **“Safety Functions in Software Development Life Cycle”** G.Satyanarayana, International Journal of Innovative Technology and Research (IJITR), ISSN: 2320-5547, Volume: 2, Issue: 4, June – July, 2014, Pages: 1059–1062.
40. **“A Novel Architecture for Dynamic Invocation of Web Services”** Venkataramani Korupala, Satyanarayana Gandhi, Springer International publishing Switzerland, and ISBN: 978-3-319-03095-1, Print ISBN 978-3-319-03094-4, Volume: 249, September, 2014, Pages: 671-678, Scopus-Journal.
41. **“A Digital Certification Technique to Message Authentication and Source Privacy in Wireless Sensor Networks”** Gandhi Satyanarayana, Divya Chinta, International Journal of Emerging Trends & Technology in Computer Science (IJETTCS), ISSN:2278-6856, Volume: 3, Issue: 6, December, 2014, Pages:127-130, Scopus, UGC Care S.No:48939 and Scopus-Journal.
42. **“A Specialized Learning Framework for Aggregate Performance”** G.Satyanarayana, T.Chandana Gowri, International Journal of Research in Computer and Communication Technology (IJRCCT), ISSN (Online): 2278- 5841, ISSN (Print): 2320- 5156, Volume: 2, Issue: 10, October, 2013, Pages: 1019-1024.
43. **“An Efficient Expert System for Diabetes by Naïve Bayesian Classifier”** Gandhi Satyanarayana, A.Ambica, International Journal of Engineering Trends and Technology (IJETT), ISSN: 2231-5381, Volume: 4, Issue: 10, October, 2013, Pages: 4634-4639, Scopus-Journal.

Patents:

S.No	Title of the Invention	Application Id	Date	Status
1	“Machine Learning Based Fraud Detection Device”	516314-001 C.B.R.No: 220790	Dated: 03/09/2026	Submitted
2	“System and Framework for Cryptographically Agile Quantum-	Application No.2026411138	The Patent Office Journal	Published

	Resilient Secure Computing”	11 A	No. 39/2026 Dated 25/09/2026	
3	“Cloud-Based Data Lake for Big Data Analytics”	Application No.2024411029 19 A	The Patent Office Journal No. 01/2025 Dt. 03/01/2025	Published
4	“Machine Learning Algorithm for Real-Time Quality Control in Pharmaceutical Manufacturing Processes”	202441071599	The Patent Office Journal No. 40/2024 Dt.04/10/2024	Published
5	“An AI based Smart Helmet Device for Body Temperature Scanning”	Design number: 6380594	Grant date: 01 August 2024 Intellectual Property Office is an operating name of the Patent Office www.gov.uk/ip o	Granted
6	“IOT based Pneumonia Detection Device/24-01”	396757-001 C.B.R. No : 212517	The Patent Office Journal No. 47/2023 Dt.24/11/2023	Published
7	“An analytics interface for providing Cyber threat detection and security system”	202341049516	The Patent Office Journal No. 35/2023 Dated: 01/09/2023	Published
8	“A Machine Learning based system for cyber-attack detection and prevention in cloud-based, wireless virtual environments”	202341011275	The Patent Office Journal No. 11/2023 Dated: 17/03/2023	Published
9	“A Convolutional Neural Network system for behavioral State classification between two species”	202241055795	The Patent Office Journal No. 41/2022 Dated: 14/10/2022	Published

Books/ Book Chapters:

S.No	Title of the Book/Book Chapter	Publisher	ISBN	Status
1	Title: of Book: “Fundamentals of Data Science”	Alpha International Publication	ISBN NO: 978-93-5762- 445-9	Year of Allotment of ISBN: 2025

	Link: https://alphainternationalpublication.com/product-detail.php?PID=MTExMw==			
2	Title: of Book: “Smart Computing Technologies” Chapter Title: Evaluation of Multiplicative Neuron Model Artificial Neural Networks with Differential Evolution Algorithm for Forecasting	ESN Publications, First Edition: 2022. Volume-1 Chennai	ISBN : 978-93-95196-43-7	Published on 26-12-2022
3	Title: of Book: Python Programming Hands on Approach	Scientific International Publishing House	ISBN : 978-93-5757-172-2	Published
	Publisher Link: https://sipinternationalpublishers.com/product-detail.php?PID=OTcy Flipkart Link: https://www.flipkart.com/python-programming-hands-approach/p/itm4414a546445f0?pid=9789357571722			
4	Title: of Book: Computer Networks and Security	Scientific International Publishing House	ISBN : 978-93-6132-944-9	Published 2024
	https://sipinternationalpublishers.com/product-detail.php?PID=MjMzOQ==			
5				

Short Term Training Programmes /FDPs/ Seminars/ Symposiums/ Workshops Attended:

- ✚ Attended Faculty Development Program on Large Language Models in Artificial Intelligence from 04 Oct 2023 to 07 Oct 2023 jointly conducted by Andhra Pradesh Information Technology Academy (AITA), a Unit of Department of IT & ES, Government of Andhra Pradesh and Blackbuck Engineers Pvt Ltd and Certificate ID: BBFDP2324000215.
- ✚ Participated in the Professional Development Programme on “Accreditation and Outcome Based Education” organized by Raghu Engineering College (Autonomous), Dakamarri, Visakhapatnam, and NITTTR, Chennai (Ministry of Education, Government of India) from 19-07-2022 to 23-07-2022 (One Week). Certificate No: 2022-SSPDP-09/19
- ✚ Attended AICTE Sponsored "Short Term Training Program (STTP) on “Practicing Cloud Computing with AWS” Conducted by department of CS&IT and CSE, KL Deemed to be University from 16th to 21st August, 2021.
- ✚ Attended in the Faculty Development Programme on “Artificial Intelligence and Machine Learning” conducted by the department of Computer Science & Engineering, Raghu Engineering College (Autonomous), Dakamarri, Visakhapatnam, and NIT Warangal from 08-

11-2021 to 12-11-2021 (One Week).

- ✚ Attended Faculty development Program on “Current trends in Machine Learning and Deep Learning: A hands-on Approach” organized by department of Computer Science and Engineering in association with Tech shuttle, Bharati Vidyapeeth’s College of Engineering, New Delhi-110063, from 26th July to 31st July, 2021.
- ✚ Act as a resource person in 5 days Faculty Development Programme, “Intelligent Systems For Sustainable Development” from the 8th to 12th, June 2021 organized by the Department of Computer Science & Engineering and Information Technology, St.Peter’s Engineering College, Hyderabad
- ✚ Attended AICTE Sponsored two weeks Faculty Development Program on “Data Aggregation scheme in e-health cloud with privacy preserving” at Raghu Institute of Technology (A), Visakhapatnam (A.P)-531162, from 2nd to 16th August, 2019.
- ✚ Organized and participated a one-week Faculty Development Program on “Outcome Based Education and its Implementation” conducted by NITTTR, Chennai, HRD Govt. of India, from 21st to 26th May, 2019. At Nadimpalli Satyanarayana Raju Institute of Technology Sontyam, Visakhapatnam.
- ✚ Attended Faculty Development Program on “Introduction to Cloud Computing” conducted by ICT Academy on 13th to 15th May, 2019. At Gayatri Vidyaparishad, Visakhapatnam.
- ✚ IBM certified in “IBM DB2 Academic Associate: DB2 Database and Application Fundamentals”
- ✚ Participated in a MISSION 10X, workshop conducted by Wipro and ISTE at Dadi Inst. Of Engineering and Technology at anakapalli from 30th April to 4th May, 2012.
- ✚ Attended Faculty Training program” Information Security & Cyber Forensics” conducted by Cyber Cure Solutions, New Delhi.
- ✚ Attended International Conference on “Computing for Sustainable Global Development” organized by BVICAM, New Delhi.
- ✚ Participated in “Young IT Professional Awards” organized by Computer Society of India, Region-V, Karnataka and Andhrapradesh.
- ✚ Participated in National Seminar on “Translational Research in Bioinformatics” organized by Gayatri Vidya Parishad, Visakhapatnam.
- ✚ Participated National Seminar on “Corporate e-Governance” organized by CSI Visakhapatnam Chapter, Visakhapatnam.
- ✚ Attended workshop on “Next Generation Internet Protocol-The Challenges Ahead (IPv6)” organized by BSNL, Visakhapatnam and CSI Visakhapatnam Chapter.
- ✚ Participated in National Seminar on “K-12 and Teacher Education: Issues And Concerns” in DIET College of Engineering, Anakapalli.
- ✚ Attended International workshop on “Business Intelligence and Test-Driven Development” conducted at DIET, in association with ACM, New York.

- ✚ Participated National Workshop on “Advances in soft computing and signal processing” in DIET College of Engineering, Anakapalli.
- ✚ Attended “National Seminar on Recent Trends in Algebra and Applications” Conducted by “Department of Mathematics, Andhra University, and Visakhapatnam.
- ✚ Attended “National Workshop on Innovative Teaching Methods” in Vignan’s Institute of Information Technology, Visakhapatnam.
- ✚ Participated National workshop on “Open-Source Technologies” organized by Vignan’s Inst. Of Information Technology, Visakhapatnam.
- ✚ Participated International Conference on “Information Systems Design and Intelligent Applications-2012 (INDIA-2012)’ organized by Computer Society of India.

Personal Profile :

Name : Dr. Gandhi Satyanarayana
 Gender : Male
 Date of Birth : 06-05-1973
 Marital status : Married
 Nationality : Indian
 Father’s Name : Late. Sri. Gandhi Rama Murty
 Linguistic Ability : English, Telugu
 Present Address : MIG-40, Door No: 24-171/B, Simhapuri Layout, Vepagunta Post,
 Visakhapatnam-47, Pin: 530047
 Personal Strength : Leadership skills, Self-confidence, Optimism and Hard working.

Declaration

I hereby declare that all the details furnished above are true to the best of my knowledge and belief.

(Dr. G. Satyanarayana)

References:

Prof. P.Seetharamaiah

Research Director, Department of Computer Science and Systems Engineering
 AU College of Engineering (A), Andhra University, Visakhapatnam

Prof. Prasad Reddy P.V.G.D.

Vice Chancellor, Andhra University

Prof. M.Mutyalu Naidu

Vice Chancellor, Adikavi Nannaya University, Rajamahendravaram