RESUME

Dr. NARAYANA SATYALA
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Career Objective

To gain adequate skills in Computer Science and attaining a challenging position in the field of information systems.

Educational Qualifications

- Ph.D. from JNTU Hyderabad in Data Mining Area in May 2016.

- M.Tech in Software Engineering from School of Information Technology, JNTU, Hyderabad with 89% in June 2003.

- B.Tech. in Computer Science and Engineering from SKD University with 65.6% in April 1999.

- Intermediate from N.B.K.R. Science & Arts College, Vidhyanagar, Nellore with 74% in 1994.

- 10th class from APR High School Gandipalem, Nellore with 81% in March 1992.

Funded Projects Executed

- Received MODROB grant of Rs.11,65,000/- from AICTE in 2019 for the modernization of Database lab with Big Data Analytics. It is in progress.

- Received grant-in-aid of Rs.60,000/- for the Minor Research project on "**Agro-Advisory System for Cotton Crop Farmers**" from UGC, New Delhi in 2015 and successfully completed it.

Patents

- Published and filed a patent entitled IVC-Detection: Intelligent Vehicle Crash Detection Using Machine Learning and Deep Learning in Controller General of Patents, India on 13th December 2019.

- Published and filed a patent entitled "**IH-Booking: Intelligent Hotel Booking Using Machine Learning**" in Controller General of Patents, India on 20th September 2019.

Academic Rewards / Achievements

- Serving as member of Board of Studies of P.G. Department of Computer Science, ANR College, Gudivada from 2018.
- Working as Professor & Head, Department of Computer Science and Engineering, Gudlavalleru Engineering College, Gudlavalleru from July 2017 to till date.
- Acted as Technical Session chair on Soft Computing Techniques in the 2nd International Conference on Smart Computing & Informatics (SCI-2018) organized by PVPSIT, Vijayawada during 27-28 January 2018.
- Member of Programming Committee for **CSI BIG 2014** Conference on IT in Business, Industry & Govt. to be held on 08-09 March 2014, Organized by **CSI Indore Chapter**, Division III & IV In Association with Sri Aurobindo Institute of Technology, Indore, MP. Theme: **Big Data and Analytics.**
- Dy. Controller of Examinations, Examination Section (Autonomous).
- Completed Ph.D entitled "New Approaches for Discovering Relevant Semantic Associations Using RDF Metabase" in JNTUH, Hyderabad.
- Created Online Question Bank for "Object Oriented Analysis and Design" course for JNTU Hyderabad.
- Acted as In-charge Head of the Department for CSE Department for the academic year 2010–11.
- Received *'Commendation'* by Gudalavalleru Engineering College in preparing and presenting the Department and Institution to the **AICTE – NBA** Expert Team visit for Accreditation during 22nd -24th February 2008.
- Coordinator for Teaching and Learning.
- SPoC for Infosys Campus Connect up to 2013.
- Acted as Judge for Technical Paper Presentations.
- Additional Officer In-charge for Examinations for the academic year 2005-06.
- Member of purchase committee.
- Member of Anti-Ragging.

Teaching Experience – 21 Years

- Working as Professor & Head, Department of Computer Science and Engineering, Gudlavalleru Engineering College, Gudlavalleru from July 2017 to till date.
- Worked as Professor in the Department of Computer Science and Engineering, Gudlavalleru Engineering College, Gudlavalleru from June 2016 to June 2017.

- Worked as Associate Professor in the Department of Computer Science & Engineering, Gudlavalleru Engineering College, Gudlavalleru from August 2005 to May 2016.

- Worked as Assistant Professor in the Department of Computer Science & Engineering, Gudlavalleru Engineering College, Gudlavalleru from October 1999 to July 2005.

Subjects taught at Post Graduate level

- Machine Learning
- Advanced Operating Systems
- Database Management Systems
- Data Warehousing and Data Mining
- Data Structures and Algorithm Analysis

Subjects taught at Under Graduate level

- Problem Solving using C
- Data Structures
- Design and Analysis of Algorithms
- Computer Architecture
- Formal Languages and Automata Theory
- Artificial Intelligence
- Object Oriented Analysis and Design Through UML
- Advanced Unix Programming
- Database Management Systems
- Software Engineering
- Software Testing Methodologies
- Data Warehousing and Data Mining
- Machine Learning

Number of M. Tech. Projects Guided – 08

Memberships of Professional Bodies

- Life member of ISTE (MISTE)
- Fellow of IE(India)
- Member of SAEINDIA

- ▪ **Journals:** **International : 23** **National : 02**
- ▪ **Conferences International : 08** **National : 06**

Publications

a) International

1. S. Narayana, et.al., "**Chronological Harris hawks-based deep LSTM classifier in wireless sensor network for aqua status prediction",** Ecohydrology, Vol. 14 Issue: 6 **(SCI).**

2. S. Narayana, et.al., "**Sailfish optimizer algorithm (SFO) for optimized clustering in wireless sensor network (WSN)",** Journal of Engineering, Design and Technology, August 2021. **(Web of Science, ESCI).**

3. S. Narayana, et.al., "**Ensemble classification technique for heart disease prediction with meta-heuristic-enabled training system",** Bio-Algorithms and Med-Systems, Vol. 17 Issue: 2, 2021, pp. 119-136. **(Web of Science, ESCI).**

4. S. Narayana, et.al., "**Machine Learning Algorithms for Classification of Genetic Mutations arose during the cell's rehabilitation to Cancer Tumor",** Solid State Technology, Vol. 64 Issue: 2, 2021, pp. 2752-2757. **(Free – Scopus).**

5. S. Narayana, et.al., "**Improved Adaptive Neuro-Fuzzy Inference System For Handwritten Optical Character Recognition",** International Journal of Advanced Research in Engineering and Technology (IJARET), Vol. 11 Issue: 11, November 2020, pp. 778-782. **(Free – Scopus).**

6. S. Narayana, et.al., "**A Novel Approach Diagnosis System using Convolutional Neural Network for Ulcerative Colitis",** International Journal of Advanced Science and Technology, Vol. 29 Issue: 5, 2020, pp. 14015-14022. **(Free – Scopus).**

7. S. Narayana, et.al., "**Real Time Fast And Accurate Brain Sinus Detection by DM-RPC With Vessel Segmentation Classification By Logistic Regression**", Journal of Advanced Research in Dynamical and Control Systems (JRDCS), Vol. 12 Issue: 3, 2020, pp. 30-40 **(Free – Scopus).**

8. S.Narayana, et.al., "**Data Leak Identification in Social Networks using K Means Clustering & Tabu K Means Clustering",** International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-9 Issue-2, December 2019, pp. 1 – 7 **(Free – Scopus).**

9. S. Narayana, et.al., "**Using Fuzzy Clustering Techniques in Pharmaceutical Industry to Find Expired Medicines**", Journal of Adv. Research in Dynamical &

Control Systems, Vol. 10, 02-Special Issue, April 2018, pp. 215 – 220. **(Free – Scopus)**

10. S. Narayana, et.al., "**Developing Smart Kitchen Inventory tracking using Internet of Things**", Journal of Adv. Research in Dynamical & Control Systems, Vol. 10, 02-Special Issue, April 2018, pp. 245 – 251. **(Free – Scopus)**

11. S. Narayana, "**Ontology-based Advisory System for Cotton Crop Farmers**", International Journal of Computer Applications, Vol. 167, No.7, June 2017, pp. 1-7.

12. S. Narayana, et.al., "**Implementation of Smart Health Care Monitoring System using Mobile IOT and Cloud Computing Technologies**", International Journal of Pharmacy and Technology, Vol. 9, No. 1, April 2017, pp. 5621 – 5632.

13. S. Narayana, et.al., "**Scheming of a Modular Approach for Unambiguous Uniform Resource Identifiers**", International Journal of Innovative Technology and Research, ISSN: 2310-5547, Volume 4, Issue 4, pp. 3130-3132, June-July, 2016.

14. S Narayana, et.al., "**Discovering Relevant Semantic Associations Based on User Specified Context**", International Review on Computers and Software, Volume 10, Number 8, August 2015, pp. 805 – 813. **(Scopus)**

15. S Narayana, et.al., "**Discovering Relevant Semantic Associations using Relationship Weights**", International Journal of Computer Applications, Volume 87, Number – 15, February 2014, pp. 15-21.

16. S. Narayana, et.al., "**An Improved Technique for Ranking Semantic Associations**", International Journal of Web & Semantic Technology (IJWeST), Volume 4, and Number 4, October 2013, DOI: 10.5121/ijwest.2013.4407, pp. 93-106.

17. S Narayana, et.al., **"An RDF Approach to for Discovering Relevant Semantic Associations"**, International Journal of Advanced Research in Computer Science and Software Engineering, Volume 3 Issue 7, July 2013, Page No. 1051-1058.

18. S Narayana, et.al., **"An Improved Algorithm for Efficient Mining of Frequent Item Sets on Large Uncertain Databases"**, International Journal of Computer Applications, Volume 73, No. 12 July 2013, Page No. 8-15.

19. S Narayana, et.al., **"Entity-Based Semantic Association Ranking on the Semantic Web"**, International Journal of Computer Applications, Volume 69, No.20 May 2013, Page No. 42-46.

20. S. Narayana, et.al., "**Mining Positive and Negative Association Rules Using Coherent Approach**", International Journal of Computer trends and Technology, Volume 4 Issue 1, 2013, Page Nos. 1 – 7.

21. S Narayana, et.al., **"Discovering and Ranking Semantic Associations on the Semantic Web",** International Journal of Computer Science and Management Research, Volume 1 Issue 5 December 2012, Page No. 1099-1102.

22. S. Narayana, et.al., **"Robust Semantic Framework for Web Search Engine",** International Journal of Computer trends and Technology, Volume 3 Issue 5 – 2012, Page No. 702-707.

23. S. Narayana, et.al., "**Simulation of File Arrivals and Departures on Buffer Sizing in Access Routers**", International Journal of Computer trends and Technology, Volume 3 Issue 6, 2012, Page Nos. 782 – 786.

b) National

24. S.Narayana and K.Nagarjuna, **"An Evaluation of E-Govrnance Projects in Inida"** in a National Journal **"Engineering Today"** Volume IX, Page No. 35-43 in the month of May 2007.

25. S.Narayana and K.Nagarjuna, **"Simulation of Service Oriented E-Governance Framework"** in a National Journal **"Engineering Today"** Volume IX, Page No. 44-50 in the month of May 2007.

<u>Conferences</u>

a) International

26. S. Narayana, et.al., "Reducing Dimensionality of Data Using Autoencoders", Springer- 3rd International Conference on Smart Computing & Informatics (SCI), 21st to 22nd December 2018, organized by Kalinga Institute of Industrial Technology, Bhubaneshwar, Odisha, India, pp. 51-58.

27. Dr. S. Narayana, et.al., " Smart System to Detect theMaturity Level of fruit with its size using IOT " First International Conference on Computational and Intelligent Techniques for Automation of Engineering Systems (CITAES), Nov-Dec 2018, Gudlvalleru Engineering College, Gudlavalleru.

28. Dr. S. Narayana, et al., " Smart System to Detect the Maturity Level of fruit with its size using IOT " First International Conference on Computational and Intelligent Techniques for Automation of Engineering Systems (CITAES), Nov-Dec 2018, Gudlvalleru Engineering College, Gudlavalleru.

29. Dr. S. Narayana, et al., "A Deep Learning network for ECG Heartbeat Arrhythmia Detection in telemedicine", First International Conference on Computational and Intelligent Techniques for Automation of Engineering Systems (CITAES), Nov-Dec 2018,Gudlvalleru Engineering College, Gudlavalleru.

30. Dr. S. Narayana, et al., "FTD Tree Based Classification Model for Alzheimer's Disease Prediction." 1st International Conference on Emerging Technologies In Data

Mining And Information Security IEMIS-2018, during 23-25 February 2018, organized by School of Information Technology, Saltlake, West Bengal, India. pp 687-697 [SPRINGER].

31. Dr. S. Narayana, et.al., "Big Data Frameworks and Challenges: A Survey" Fourth International Conference on Recent Research and Innovations in Social Science, Humanities (ICRRISH-2018), Osmania University Centre for International Programmes, Osmania University, Hyderabad.

32. S. Naryana, et.al., "**An Effective Approach for Discovering Relevant Semantic Associations based on User Specified Relationships**" in Wilkes100, 2nd International Conference on Computing Sciences held during 15 – 16 November 2013 Organized by Lovely Professional University, Punjab.

33. S. Narayana, et.al., "**Ranking Semantic Associations using Relationship Weights**", 2nd International Conference on Advanced Computing Methodologies (ICACM – 2013) organized by Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad on 2nd and 3rd August 2013, pp. 90-96.

b) National

34. Dr. S. Narayana, et.al., "**Deep Learning Analysis: A Review**", National Conference on Machine Learning Techniques(NCMLT), December 2018, Annamalai University.

35. Dr.S. Narayana, et.al., "**Machine Learning: A Review**", National Conference on Machine Learning Techniques(NCMLT), December 2018, Annamalai University.

36. S.Narayana and K.Raja Sekhar, "**Searching Documents using Semantic Relationships**" at a National Seminar on Data Mining and its Applications conducted by Gudlavalleru Engineering College, Gudlavalleru on 20-21 January 2008.

37. S.Narayana, "**Clustering using Genetic Algorithms**" at a National Seminar on Data Mining and its Applications conducted by Gudlavalleru Engineering College, Gudlavalleru on 20-21 January 2008.

38. S.Narayana and K.Nagarjuna, "**Simulation of Service Oriented E-Governance Framework**" in the National Conference on "Emerging Trends In Computer Communication And Networks (NCCCN 2007)" organized by ISTE Chapter, Adhiyamaan College of Engineering, Tamil Nadu on 19th & 20th February, 2007.

39. S.Narayana and K.Nagarjuna, "**An Evaluation of E-Governance Projects in India**" in the National Conference on "Emerging Trends In Computer Communication And Networks (NCCCN 2007)" organized by ISTE Chapter, Adhiyamaan College of Engineering, Tamil Nadu on 19th & 20th February, 2007.

Workshops/Seminars Organized/Attended

- Number of Workshops/Seminars Organized – 05
- Number of Workshops/Seminars Attended – 24

Workshops/Seminars Organized

- Organized a Two-Week ISTE workshop on "**Database Management Systems**" conducted by IIT, Bombay from 21st – 31st May 2013.

- Organized a One-day workshop on "**Software Testing & Testing Tools**" on 26th July 2013.

Workshops/Seminars Attended

1. Participated in Five Day Online Faculty Development Programme on "**Cyber Security**", organized by Department of IT, Gudlavalleru Engineering College as part of ATAL Academy from 19-01-2021 to 23-01-2021.

2. Participated in Five Day Online Faculty Development Programme on "**Cyber Security**", organized by Departments of CSE and IT, Gudlavalleru Engineering College from 22-07-2020 to 26-07-2020.

3. Participated in AICTE Sponsored Two Week Faculty Development Programme on "**Soft Computing Techniques and its Applications**", organized by Department of CSE, Gudlavalleru Engineering College from 27-07-2020 to 08-02-2020.

4. Participated in One Week Faculty Development Programme on "**IoT and Artificial Intelligence Applications**", organized by Department of CSE, KL University, Guntur from 01-06-2020 to 06-06-2020.

5. Participated in Three Day Online Faculty Development Programme on "**IoT**", organized by Department of CSE, St. Martin's Engineering College, Secunderabad from 05-05-2020 to 07-05-2020.

6. Participated in Five Day Online Faculty Development Programme on "**Block Chain Technologies**", organized by Department of CSE, LBRCE, Mylavaram from 19-05-2020 to 23-05-2020.

7. Participated in Two Week Faculty Development Programme on "**Data Science and Analytics**", organized by Department of CSE, St. Martin's Engineering College, Secunderabad in association with Special Interest Group on Big Data Analytics, Computer Society of India, Hyderabad from November 9th to 21st December 2019.

8. Participated in One and half Week Faculty Development Programme on "**Software Engineering**", organized by Department of CSE, IIT, Kharagpur through MOOCs during July-October 2019.

9. Participated in One and half Week Faculty Development Programme on "**Software Project Management**", organized by Department of CSE, IIT, Kharagpur through MOOCs during July-October 2019.

10. Participated in One Week Faculty Development Programme on "**Machine Learning Applications in Software Engineering**", organized by Department of CSE, NIT, Warangal from 11-06-2019 to 16-06-2019.

11. Participated in One Week Faculty Development Programme on "**Machine Learning and Deep Learning**", organized by Department of CSE, Gudlavalleru Engineering College from 01-05-2019 to 07-05-2019.

12. Participated in One Week Faculty Development Programme on "**Internet of Things (IoT) with IBM Watson**", organized by Departments of CSE and IT, Gudlavalleru Engineering College from November 26th to 1st December 2018.

13. Participated in One Week Faculty Development Programme on "**Database Management Systems**", organized by Department of CSE, IIT, Kharagpur through MOOCs during August-September 2018.

14. Participated in Two day Faculty Development Programme on "**Soft Computing Techniques**", organized by Department of CSE, Gudlavalleru Engineering College on 21st and 22nd June 2017.

15. Participated in One Week Faculty Development Programme on"**Big Data Analytics**", organized by Department of CSE, Gudlavalleru Engineering College from 14th to 19th November 2016.

16. Participated in Two day workshop on "**Research Challenges and Issues in Big Data and Hadoop Framework**", organized by Department of IT, Gudlavalleru Engineering College on 12th and 13th of March 2015.

17. Participated in One-day National Seminar on "**Research Issues on Semantic Web Technologies**", Sponsored by DRDO and organized by VIT, Chennai on 22nd February 2013.

18. Participated in a Two-day ISTE workshop on "**Aakash for Education**" conducted by IIT, Bombay on 10th & 11th November 2012.

19. Participated in a One-Week refresher course on "**Formal Languages and Automata Theory and Design and Analysis of Algorithms**" organized by Gudlavalleru Engineering College from 21st – 26th November 2011.

20. Participated in One-day Seminar on "**Computing Freedom in Engineering Education – A Free Software Perspective**" organized by Gudlavalleru Engineering College on 11th December 2010.

21. Participated in Two-Week AICTE sponsored workshop on "**Grid Computing and its Applications**" organized by Gudlavalleru Engineering College from 13th – 24th February 2009.

22. Participated in One-Week refresher course on "**Algorithms, Tutored Video Instruction**" as part of the Indo-US Engineering Faculty Leadership Institute from June 30th – July 4th 2008 at the Global Education Center of Infosys Technologies.

23. Participated in Special Training Program-Faculty Enablement Program (STP-FEP) on "**Foundational Computer Science Courses – An Industry Perspective**" held at Hyderabad during 08th -13th September 2007 organized by Infosys Technologies Limited for IEG-JKC, JNTU, and Gov. of A.P.

24. Participated in a 3 day Workshop on "**Software Project Management**" during 28th – 30th April 2006 conducted by Gudlavalleru Engineering College, Gudlavalleru.

25. Participated in a 2 day Workshop on "**IBM Community Edition Tools, WASAD**" during 21st – 22nd January 2007 conducted by Gudlavalleru Engineering College, Gudlavalleru.

26. Participated in Faculty Enablement Program on "**Foundational Computer Science Courses – An Industry Perspective**" held at Hyderabad during 30th July to 11th August 2006 organized by Infosys Technologies Limited for IEG-JKC.

27. Participated in the shot-term course on "**Instructional Design and Delivery**" conducted by National Institute of Technical Teachers Training & Research, Chennai during 3rd – 8th July 2006.

28. Participated in a 3 day Workshop on "**Data Warehousing and Data Mining**" during 18th - 20th March 2006 conducted by JNTUCE, Kakinada.

29. Participated in "**IBM Faculty Development Program**" on 22nd November 2004 organized by CSI at P.B. Sidddhartha College of Arts & Science, Vijayawada.

30. Participated in a 5 day short term intensive course on "**Object Oriented Analysis and Design using UML**" during 27th April 2004 to 1st May 2004 conducted by VNR Vignana Jyothi Institute of Engineering & Technology, Hyderabad.

31. Participated in a 2 day training program on "**Data Warehousing and Data Mining Technologies**" during 20-21 November 2003 conducted by Engineering Staff College of India, Hyderabad.

32. Participated in a "**Quality Improvement Program conducted**" by Technical Teachers Training Institute, Chennai during 21st April 2003 to 26th April 2003.

Personal Details

Name	:	Dr. Narayana Satyala
Father's Name	:	S. Naraiah
Date of Birth	:	01-07-1976
Address	:	Kamireddypadu
		Ananthasagaram (Md.)
		Nellore (Dt.)
		Pin: 524 302

Declaration

The above given information is true to the best of my knowledge and belief

Place :
Date :

(S.NARAYANA)