

## **Dr. BALAJI VICHARAPU**

---

Department of Computer Science & Engineering,  
University College of Engineering & Technology,  
Aacharya Nagarjuna University, Nagarjuna Nagar – 522510  
Guntur, Andhra Pradesh, INDIA

Hello: **+91-9849551990,9494557271**

E-mail: [v12.balaji@gmail.com](mailto:v12.balaji@gmail.com), [balajivicharapu@anu.ac.in](mailto:balajivicharapu@anu.ac.in), [v.balaji.anu@gmail.com](mailto:v.balaji.anu@gmail.com)

Web: [www.nagarjunaniversity.ac.in/efacultydet.php?id=6](http://www.nagarjunaniversity.ac.in/efacultydet.php?id=6)

---

### **OBJECTIVE:**

Seeking a challenging position, utilizing my abilities developed through my education with an opportunity for career growth, where I can learn as well as contribute to the growth of the organization.

### **Academic Qualifications:**

**Ph. D** - Computer Science & Engineering, "**Prediction of Colorectal Cancer in High-Dimensional Databases Using Machine Learning Models**", Acharya Nagarjuna University, 2022.

**M.B.A** – Marketing & Human Resource Management, Acharya Nagarjuna University, Nagarjuna Nagar, Guntur, India, 2013-2016

**M. Tech** - Computer Science & Engineering, Acharya Nagarjuna University Campus, Nagarjuna Nagar, Guntur, India, 2007-2009.

**B.Tech** - Computer Science & Engineering, V.R Siddhartha Engineering and Technology, Kanuru, Vijayawada India, 2001-2005.

### **Previous Experience:**

**Total Years of Experience** : 15 Years

1. Assistant Professor, Department of Computer Science and Engineering, ANU College of Engineering and Technology, Acharya Nagarjuna University, Guntur, 08/2010 to till date.
2. Assistant Professor, Department of Computer Science and Engineering, Vasireddy Venkatadri Institute of Technology, Namburu, Pedakakani, Guntur, 06/2010 to 08/2010.

3. Assistant Professor, Department of Computer Science and Engineering, Sri Viveka institute of Technology, Madalavarigudem, via Nuna, Vijayawada-Rural, A.P.,India, 07/2009 to 05/2010.
4. Assistant Professor, Department of Computer Science and Engineering, Nimra college of Engineering and Technology, Jupudi, Vijayawada, A.P., India, 9/2005 to 9/2007.

#### **Research Activities:**

- |                                      |      |
|--------------------------------------|------|
| 1. No of journal papers published    | : 6  |
| 2. No of conference papers presented | : 7  |
| 3. No. of workshops attended         | : 32 |
| 4. Guest Lectures                    | : 4  |

#### **Other Services to the Profession:**

1. **Lesson Writer** of study material of M.Sc , Computer science I year, I semester, Paper I, “Data Structures Using C++ Lab manual” for ANU Online Programs, International Students Cell, Acharya Nagarjuna University, **2015**.
2. **Lesson Writer** of study material of M.Sc. IT I year, II semester, Paper I, “Data Base Management systems Lab manual” for ANU Online Programs , International Students Cell, Acharya Nagarjuna University, 2015.
3. **Lesson Writer** of study material of M.Sc , Computer science I year, II semester, Paper IV, “Oracle Lab manual” for ANU Online Programs, International Students Cell, Acharya Nagarjuna University, **2015**.
4. **Lesson Writer** of study material of M.Sc. Computer science I year, I semester, Paper II, “Object Oriented programming” for ANU Online Programs, International Students Cell, Acharya Nagarjuna University, **2015**.

#### **Journals and Conferences:**

1. N.Anupama, V.Balaji “Character Segmentation from Telugu documents using multiple histograms” ANU Journal of Engineering & Technology Pp:34-46,2011-12.
2. B.V.V.S. Prasad, V. Balaji & M.Madhava Rao “A Velour Plebiscite Tracing for Hardware and Software Miscue Remedial Systems” International Journal of Computer Science and

3. B.V.V.S. Prasad, V. Balaji & M.Madhava Rao “A Velour Plebiscite Tracing for Hardware and Software Miscue Remedial Systems” International Conference On Computer Science and Information Technology (ICCSIT - 2012).
4. V.Balaji , Shaik Anusha Begum , Prof E.Sreenivasa Reddy “Authentication And Self – Repair Capability For Fixing Tampered Image Data” IEEE International Conference on Navigational Systems & Signal Processing Applications (NSSP 2013).
5. N.Anupama, Dr E Sreenivasa Reddy, V.Balaji “Character segmentation based on multiple histogram projections” ANDHRA PRADESH AKADEMI OF SCIENCES congress (APSC-2013).
6. V.Balaji,B.Srikanth ” IOT for smart world for health care and a review from industrial market place” UGC sponsored National conference on **Internet of Things** on 3-4<sup>th</sup> march 2016
7. G.lalith kumar,V.Balaji ” Robot Control Using Human Gesture” National Conference On Recent Advances in Computer Science & Engineering ,Chalapathi Institute Of Engineering & Technology. January 30, 2016.
8. L.Vasavi Sai Prasanna,V.Balaji “PERFORMANCE ANALYSIS OF IMAGE SUPER RESOLUTION USING WAVELETS TRANSFORM BASED ON SAMPLING” International Journal of Current Research Vol. 8, Issue, 08, pp.37084-37088, August, 2016
9. V.Balaji, P.S.R Murty “Performance Preview on Image Super Resolution Using Wavelets Transform Based on Samples” Springer(jan2018)[https://doi.org/10.1007/978-981-10-6319-0\\_24](https://doi.org/10.1007/978-981-10-6319-0_24) © Springer Nature Singapore Pte Ltd. 2018
10. V.Balaji, P.S.R Murty “A REVIEW: IMAGE QUALITY ASSESSMENT WITHOUT USING REFERENCE IMAGE” Anveshana’s International Journal Of Research In Engineering And Appliedsciences, VOLUME 3, ISSUE 2(2018, FEB) (ISSN-2455-6300) ONLINE
11. V.Balaji, B.Srikanth “Automatic Brain Tumor Detection Using Fast Fuzzy C-MeansAlgorithm” Innovations in Computer Science and Engineering. Lecture Notes in Networks and Systems, vol 32. Springer (May 2018) Singapore [https://doi.org/10.1007/978-981-10-8201-6\\_28](https://doi.org/10.1007/978-981-10-8201-6_28) Online ISBN:978-981-10-8201-6

12. V.Balaji, M.Srilakshmi “Under Water Image Enhancement By The Multilevel Fusion”  
International Journal for Science and Advance Research in Technology (IJSART),  
Volume 4 Issue 7 – JULY 2018 ISSN [ONLINE]: 2395-1052

### **Workshops and Conferences attended**

1. Attended a National Seminar on **Image Processing & Applications** Organized by University College of Engineering & Technology, Acharya Nagarjuna University on December 3<sup>rd</sup>, v4<sup>th</sup> 2011.
2. Attended a National Seminar and Workshop on **Bioinformatics: Basics & Languages** Organized by Department of Biotechnology, Acharya Nagarjuna University on March 27<sup>th</sup>-29<sup>th</sup> 2012.
3. Undergone meticulous Army training conducted at **Officers training Academy** (OTA) at Kamptee and received **Lieutenant** Rank from the Army Head Quarters in 2013.
4. Attended a National workshop on **Search and Rescue** Organized by National Civil Defence college, M.H.A, Nagpur on 05<sup>th</sup> -06<sup>th</sup> August 2013
5. Attended a Workshop on **E-Content Development** organized by Acharya Nagarjuna University on 14<sup>th</sup> & 15<sup>th</sup> February 2014.
6. Attended a National Seminar on **Recent Trends in Digital Image Processing & Applications** Organized by Department of MCA, Yogi Vemana University, Kadapa on February 17<sup>th</sup> & 18<sup>th</sup> 2014.
7. Attended a Two week Workshop **Computer Programming in C** organized by IIT Bombay in collaboration with PVPSIT on 31<sup>st</sup> May to 6<sup>th</sup> June 2014 and 16<sup>th</sup> -21<sup>st</sup> June, 2014.
8. Attended a Two week ISTE workshop on **Computer Networking** organized by IIT Bombay in collaboration with PVPSIT on 30<sup>th</sup> June to 5<sup>th</sup> July 2014 and 6<sup>th</sup> -11<sup>st</sup> July, 2014.
9. Attended a 5-Day Workshop on **Business Intelligence & Information Security** Organized by Department of IT, Siddhartha Engineering College, Vijayawada on July 22<sup>nd</sup>-26<sup>th</sup> 2014.
10. Attended a Workshop on **Big Data Analytics** on 20<sup>th</sup> Oct 2014 organized by Department of Statistics, Acharya Nagarjuna University.







11. Attended a Workshop on **Big Data Analytics** on 9<sup>th</sup> – 10<sup>th</sup> Dec 2014 organized by Department of CSE, ANUCET, Acharya Nagarjuna University.
12. Attended a National Workshop on **Applications of Mathematics in computer science** 20<sup>th</sup> -21<sup>st</sup> Feb 2015.
13. Attended a One day workshop on **Establishment of smart campuses**, organized by Dept. of Higher education, Govt. of AP in association with ANU, at ANU on 29-04-2015.
14. Attended 3 day training program on **Hands on Evolutionary Algorithms using MATLAB** Organized by PVP Siddhartha Institute of Technology, Vijayawada from 10-9-2015 to 12-9-2015.
15. Attended a 21-day faculty development program on **Geo spatial technologies** under NRDMS program, University College of engineering & technology, Acharya Nagarjuna University, Guntur on Oct 2015.
16. Attended 3 days training program on Disaster Management for A.N.O's ,conducted by **NDRF**,10<sup>th</sup> B.N, A.N.U Campus, sponsored by Ministry of home Affairs ,15<sup>th</sup> -17<sup>th</sup> Dec 2015
17. Attended One day workshop on “SCOPUS-Research management and publishing tool” by Mr. Vijay Reddy, South Asia Consultant, Elsevier on 13-6-2016 at ANU
18. Attended a National Level Workshop on **Research Concepts and Incubating Ideas on IoT** (Sponsored by **TEQIP-II**) Organized by University College of Engineering Kakinada, JNTU Kakinada on 3rd August 2016
19. Participated in **Instructional Excellence in Intelligent Systems** under the Intel College Excellence Program conducted in Acharya Nagarjuna University, Guntur from 7-03-2016 to 11-03-2016
20. Participated a two day National Seminar on **March to Make in India through Engineering Advancements** Organized by R.V.R. & J.C College of Engineering on 20-9-2016 to 30-09-2016.
21. Represented as Troop Commander for Andhra Pradesh Contingent for **the INDEPENDENCE DAY CAMP-2016** held at Anantapuramu and Achieved **1<sup>st</sup> Prize** UNARMED Contingent from the Chief Minister of AP **Dr.N.Chandrababu Naidu** and got **15,000** Rupees Cash Award for cadets form I.G Police Department for cadets.

22. Acted as **CAMP ADJUTANT** in the **CATC Camps** Conducted by NCC Group Head Quarters, Guntur
23. Participated **National Integration Camp** in 2016
24. Attended a hands on workshop on “Artificial Intelligence and Deep Learning” by Dr. Deepak Garg, at CMR College of Engineering and Technology, Hyderabad from July 14<sup>th</sup> 2018 to July 16<sup>th</sup> 2018
25. Participated **National Integration Camp** in 2018
26. Attended a one-week Workshop **ICT mode on out come Based Education and Accreditation** organized by NITTTR Kolkata in collaboration with ANU on 24<sup>st</sup> SEP to 28<sup>th</sup> SEP 2018.
27. Attended a one-week Workshop On NBA Accreditation and SAR Preparation organized by NITTTR Kolkata in collaboration with ANU on 21<sup>st</sup> JAN to 25<sup>th</sup> JAN 2019.
28. Attended a one-week Workshop **ICT mode on Automated Manufacturing Systems** organized by NITTTR Kolkata in collaboration with ANU on 01<sup>st</sup> jul to 05<sup>th</sup> jul 2019.
29. Attended IGOT Sponsered Online short term Training Program on **COVID-19 Training for NCC Cadets**” organized by Department of personnel and Training of Govt of India on 11-05-2020
30. Participated in the Online Faculty Development Programme on Data Science from 24-08-2020 to 28-08-2020 Organized by Centre for Data Science and Artificial Intelligence, Rajalakshmi Institute of Technology in association with Computer Society Of India.
31. Participated in the International workshop on Data Science Applications using ML & DL Techniques ,Organized by Department of CSE, Chalapathi Institute of Engineering & Technology on 19-07-2021
32. Participated in “One week Online Faculty Development Programme on Data Analytics Tools and Visualization” Organized by Department of CSE, Chalapathi Institute of Engineering & Technology 16-08-2021 to 21-08-2021.
33. Attended AICTE Sponsered Online short term Training Program on “ Data Analytics in Machine Learning Techniques” organized by Department of CSE, SRI VENKATESHWARA COLLEGE OF ENGINEERING Vidyanagar, Bengaluru. from 23-08-2021 to 28-08-2021

### **Invited Lectures Delivered:**

- 1)** Delivered guest lecture on “Cloud Platform As A Service” in 1 day IEEE collaborated work shop on 10<sup>th</sup> October 2015 to the Computer Science and Engineering students at P. S. C. M. R. COLLEGE OF ENGINEERING & TECHNOLOGY KOTHAPETA, VIJAYAWADA .
- 2)** Delivered a lecture on “spatial coordinates in geo spatial systems” Three Day Residential Training Programmes on " Geo Spatial Intelligence & Geo Spatial Revolution" – 20 - 22 July, 2017 at AP HRDI, Bapatla
- 3)** Delivered a lecture on “Applications of AI in Agriculture” Three Day Residential Training Programmes on " Machine Learning & Artificial Intelligence for Agriculture Sector " – 19 - 21 July, 2018 at AP HRDI, Bapatla
- 4)** Delivered a lecture on “Applications of AI in Vegetables and Fruits” Three Day Residential Training Programmes on " Machine Learning and Artificial Intelligence in Agriculture Sector”, 1-3 February 2018 at AP HRDI, Bapatla
- 5)** Acted as a Resource person for 3-Day UGC sponsored hands-on Faculty Development Training Program on “ Machine Learning Concepts and its Applications Using PYTHON” on the topic Data Preprocessing , Organized by Department of CSE, Dr YSR ANU College of Engineering & Technology, ANU from 27-01-2023 to 29-01-2023.

### **ATTENDED-BOS MEETINGS**

-  Attended a **Board of Studies Meeting**, Organized by University College of Engineering and Technology, Acharya Nagarjuna University, on 27<sup>th</sup> April, 2015.
-  Attended a **Board of Studies Meeting** in Elective NCC Subject held at VSR & NVR College (autonomous), Acharya Nagarjuna University, on 30<sup>th</sup> march, 2016.
-  Attended a **Board of Studies Meeting** in Elective NCC Subject held at JMJ College of women (autonomous), Acharya Nagarjuna University, on 12<sup>th</sup> march, 2016
-  Attended a **Board of Studies Meeting** in Elective NCC Subject held at JMJ College of women (autonomous), Acharya Nagarjuna University, on 12<sup>th</sup> march, 2018.
-  Attended a **Board of Studies Meeting** in Elective NCC Subject held at VSR & NVR College (autonomous), Acharya Nagarjuna University, on 30<sup>th</sup> march, 2019.
-  Attended a **Board of Studies Meeting** in Elective NCC Subject held at VSR & NVR College (autonomous), Acharya Nagarjuna University, on 30<sup>th</sup> march, 2021.

✚ Attended a **Board of Studies Meeting** in Elective NCC Subject held at VFSTR, (Deemed to be university), , on 12<sup>th</sup> December, 2022.

#### **UNIVERSITY ADMINISTRATION ACTIVITIES**

- ❖ Examcell Incharge (2011-15) &(2017- Till date)
- ❖ Anti-Ragging committee member in 2014-17.
- ❖ Acted as NCC Coordinator of Campus
- ❖ Acted as BOS Member for NCC for Autonomous instructions
- ❖ Acted as member for ICT activates in CDE

#### **Personal Information:**

Fathers Name : V .Govinda Rajulu  
Religion : Hindu  
Gender : Male  
Date of Birth : 02/12/1983  
Nationality : India  
Permanent Address : PCWA-159,H-No: 21-9/3-2,  
Pasuputhota Colony,  
Madhura Nagar,  
Vijayawada Pin: 523157  
Krishna(Dt.),A.P., INDIA.

#### **DECLARATION**

I hereby agree that all the above stated information or details are true to the best of my knowledge.

Date:

Place:

**(V.Balaji)**