

Name of Faculty Dr. U SAIRAM
Designation Assistant Professor
Nature of Job/Appointment Regular

Date of Joining 24-07-2015

E-mail usairam_it@cbit.ac.in



Education Qualifications

Ph. D

Name of the Degree
Computer Science and Engineering
(NIT-Warangal)

Class

Awarded

PG

M. Tech. (CSE).

Distinction

UG

B. TECH. (IT)

First

Work Experience

Teaching

8 Years

Research

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Industry

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Others

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Area of Specialization

Operating Systems, Computer Networks, IoT, Machine Learning,
Data Science, IoT Analytics.

Professional Memberships

Member ACM - 2349037
Member IEEE - 97451997

Responsibilities held at Institution Level

1. Faculty Coordinator, RPA, from 06-02-2019 to Till Date.
2. Dept NBA Coordinator.
3. Member, IPME committee from 07.02.22 to till date.
4. Dept level CAMU Coordinator and In charge for Attendance
5. Faculty Coordinator, TECSTASY, from 13-09-2019 to 14-09-2019.
6. Faculty Coordinator, Chaitanya Sudhee, from 26-07-2019 to Till Date.
7. Faculty Coordinator, Deloitte Sales Program, from 25-02-2019 to 01-03-2019.

Responsibilities held at Department Level

1. Class Teacher for BE IT1 2022-2026 Batch.
2. Mentor for Batch 1(2022-26 batch)
3. Member, Course Expert Group.
4. T Tribe Coordinator.
5. Member EDC

Research Guidance

UG- 20

Awards Received

Certified Advanced RPA Professional

Courses Handled at Under Graduate / Post Graduate Level.

Programming in C, OOP's using C++, OOPs using Python, OOSD, Operating Systems, Computer Networks, Predictive Analytics using R and IoT, Machine Learning.

No. of Papers Published

National Journals – 0

International Journals – 16

National Conference – 0

International Conference – 15

Projects Carried out

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Patents

01

Technology Transfer

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Invited Speaker

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No. of Books/Chapter Published with details

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Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops.

1. Mr. U Sairam has participated in One week online FDP on "Quality Education through OBE" organized by Chaitanya Bharathi Institute of Technology(Autonomous), Gandipet, Hyderabad- 500 075, Telangana, India., in association with

Other Trainings (**Attended and/or Organized**).

- IEEE Education Society Student Branch Chapter CBIT during 22nd - 27th January 2024.
2. Mr. U Sairam **organized** FDP Program on Deep Learning for NLP and Computer Vision from 10th – 25th July, 2023 (30 hours) in Association with Excelr.
3. Mr. U Sairam Participated in the AICTE Recognized Faculty Development Program (NITTTR) on Deep Learning Conducted by Computer Science and Engineering Department from 11/09/2023 to 15/09/2023 (One Week) At Mahatma Gandhi Institute of Technology, Hyderabad.
4. U Sairam of CBIT has participated in Expert talk on “Financial Time Series Volatility Forecasting” organized by Department of Computer Science and Engineering, Chaitanya Bharathi Institute of Technology (CBIT) , Hyderabad- 500 075, Telangana, India., on 27th January, 2024.
5. Mr. U Sairam **Organized** one week online student workshop on orientation of latest technologies in association with IEEE Robotics & Automation society and soft computing research society from 29th Jan to 03rd Feb 2024.
6. Mr. U Sairam, successfully completed five days faculty development Program on "Ethical Hacking" Organized by the Blackbucks and KKR & KSR Institute of Technology from 27th February to 3rd March 2023.
7. Mr U Sairam, has successfully completed the management of development program (MDP) sponsored by MSME from 14.03.2023 to 18.03.2023.
8. Mr U Sairam, participated in the 5-Day Faculty Development Programme on “Enhancing Research Eco-system in the Campus” organized by the Research & Development Cell from 22nd to 26th August 2022.
9. Mr U Sairam participated in 5-Day Faculty Development Programme on “Enhancing Research Eco-system in the Campus” organized by the Research & Development Cell from 22nd to 26th August 2022.
10. Mr U Sairam attended a 7-Days online Webinar/workshop on “Recent Trends in Applied Mathematics, organized by Department of Applied Science and Humanities, Association with mathematics club, Universal Engineering College, Vallivattom, Thrissur (D), Kerala During 05-June-2021 to 11-June-2021.
11. Mr U Sairam attended a One week online National level Faculty Development Program on “ROLE OF MATHEMATICS IN LATEST ENGINEERING TRENDS” organized by the Department of Mathematics, under Department of Science and Humanities, Lords institute of engineering and technology from 4th June 2021 to 10th June 2021
12. Ms. U Sairam has successfully completed 4 weeks certification course on Python Programming – A Practical Approach conducted by E & ICT Academy, Indian Institute of Technology Kanpur, 25-05-2021.
13. Mr U Sairam attended 12 days (40 hours) online Faculty Development program titled "Data Science for ALL" jointly organized Electronics and ICT Academies at NITW, IIITDM Jabalpur, NIT Patna, IIT Guwahati, MNIT Jaipur and IIT Roorkee during 12- April- 2021 to 23-April-2021
14. Mr u Sairam has attended online session on new generation cybercrimes and security on 20-May-2021
15. Mr U Sairam attended a one-week online FDP on "IPR & Patent Prosecution" organized by the Department of computer science and engineering, in association with innovation council (IIC) MVSREC, Hyderabad 24-May-2021 to 28-May-2021
16. Mr U Sairam has participated in FDP on "Deep learning and its applications" conducted by E & ICT, IIT Roorkee from 04-May-2021 to 13-May-2021
17. Mr U Sairam has participated in in one-week online FDP on "cyber security & cyber forensics" organized by the dept of CSE, MVSREC, Hyderabad from 14-june-21 to 18-june-21
18. Mr U Sairam has participated in the webinar on “Role of Dr.B.R. AMBEDKAR and His Vision towards Women Empowerment and Education” organized by the Department of Electronics and Communication Engineering at Dr.

Ambedkar Institute of Technology, Bengaluru held on 12/06/2021.

19. Mr U Sairam has participated in 3 days FPD on ICT Tools for Effective teaching learning, organized by IQAC, Kamala Nehru Mahavidyalaya, Nagpur from 08-June-2021 to 10-June-2021
20. Mr u Sairam attended a national level workshop/webinar on "mathematical software work shop" organized by Department of Applied Science and Humanities, Association with mathematics club, Universal Engineering College, Vallivattom, Thrissur(D), Kerala During 02-June-2021 to 06-June-2021.
21. Mr U Sairam from Chaitanya Bharathi Institute of Technology has participated in A Five-Day National Level Online Faculty Development Program On "Applications of Machine Learning" Organized by the Department of Computer Science & Engineering from 15-19, June-2021 of Shri Vishnu Engineering College for Women(A).
22. Mr U Sairam has attended AICTE-ISTE approved Orientation/Refresher Program on "Machine Learning using R Program" held during 22.04.21 to 28.04.21 organized by Jyothishmathi Institute of Technology & Science, Karimnagar, Telangana.
23. Mr U Sairam has attended has participated in Five Day International Workshop on "Building Data-Driven Solutions Using Data Analytics with ML and DL Algorithms" held virtually during 24 - 28 June, 2021 Department of CSE, CBIT(A), Hyderabad, Telangana.
24. Mr. U Sairam Attended ATAL FDP on Data Sciences conducted by IIIT Nagpur from 25-05-2020 to 29-05-2020
25. Mr. U Sairam Attended 5-day Faculty Development Programme on "Artificial Intelligence" from 22-5-2020 to 26-5-2020 by CBIT.
26. Mr. U Sairam Attended one Week Faculty Development Program (FDP) on "Python for Machine learning" organized by Department of CSE in collaboration with CSI, Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering & Technology (VNRVJIET) from 18-05-2020 to 23-05-2020.
27. Mr. U Sairam Attended a 5 days FDP on Introduction to Data Science conducted by Guntur College of Engineering from 18-05-2020 to 22-05-2020.
28. Mr. U Sairam Attended 3 Days Online Faculty Development Programme On "Cloud Datacenter Infrastructure" Organized By Department Of CSE, KHIT, GUNTUR, AP from 18-05-2020 to 20-05-2020
29. Mr. U Sairam Completed NAAC Awareness Quiz - 2020 conducted by AISSMS on 17-5-2020.
30. Mr. U Sairam Attended Leadership Talk With Dr. Pramod Chaudhari, Founder, Chairman, Praj Industries Limited and Dr. Abhay Jere, Chief Innovation Officer MHRD Innovation Cell, Saturday, by MHRD's Innovation Cell 16-05-2020.
31. Mr U Sairam Participated in the webinar "Virtual Reality" on 14-05-20
32. Mr. U Sairam Participated in the webinar " IOT using arduino " on 13-05-20
33. Mr. U Sairam completed COVID-19 Awareness Quiz Conducted online by; Department of Information Technology, Shri Sant Gajanan Maharaj College of Engineering, Shegaon on 13-05-2020.
34. Mr. U Sairam Attended 10 days EICT IIT Roorkee's Online FDP on "Deep Learning and its Applications" from 04-05-2020 to 13-05-2020.
35. Mr. U Sairam Participated in the webinar "Image processing using python" on 12-05-20
36. Mr. U Sairam completed online Faculty Program on NBA organized by Bharathi Vidyapeeth College of Engineering, Navi Mumbai-400614 on 12-05-2020
37. Mr. U Sairam Attended one week online Faculty Development Program on "Outcome Based Education: A Step towards Excellence" under Margdarshan Scheme of AICTE, New Delhi from 11-05-2020 to 15-05-2020
38. MR U Sairam participated in India's First Leadership Talk Series Session with Mr. Mahesh Babu CEO Mahindra



- Electric Mobility Ltd. by MHRD's Innovation Cell on 09-05-20
39. Mr. U Sairam Participated in the webinar "machine learning using python " on 09-05-20
 40. Mr. U Sairam Attended the India First Leadership Talk webinar with Prof D. P. Singh, Chairman UGC Broadcasted by MHRD's Innovation Cell on 9-05-2020
 41. Mr. U Sairam Completed 4 week's online course "AI for Everyone" from courera on 05-05-20.
 42. Mr. U Sairam completed 2 week course on Digital Transformation in Teaching Learning process from 06-04-2020 to 22-04-2020.
 43. Mr. U Sairam Completed online course "Lead the Digital Workforce: Monitor, Measure & Manage Bot Performance (V11.0)" course at Automation Anywhere University" on 26-03-20
 44. Mr. U Sairam Completed online course "Build the Digital Workforce: Create Bots Using Automation Anywhere V11.0" course at Automation Anywhere University. " on 25-03-20
 45. Mr. U Sairam Completed online course "Hello Bot: Introduction to RPA" course at Automation Anywhere University." on 11-03-20
 46. Mr. U Sairam Automation Anywhere certified advanced RPA professional from automation anywhere university March 2020.
 47. Mr. U Sairam acted as a Faculty coordinator for a 2 day national level technical symposium - Tecstasy 2019, organized during 13-09-2019 to 14-09-2019.
 48. Mr. U Sairam Organized a 2 day workshop "Django" The participants are Students from CBIT, MGIT and various technical colleges across Telangana conducted on 13-09-2019 to 14-09-2019
 49. Mr. U Sairam Attended the India First Leadership Talk webinar broadcasted by MHRD's Innovation Cell on 02-05-2020
 50. Attended One Day National Level Workshop on "Vedic Maths "at CBIT on 27-07-2017.
 51. Attended FDP on "Meeting the Challenges of Teacher in Modern Engineering Education" at CBIT from 12 -06-2017 to 17-06-2017.
 52. Attended A Two Day National Level Workshop On "Internet Of Things Using Raspberry Pi3" at CBIT from 06-03-2017 to 07-03-2017.
 53. Attended a Two day National Level Workshop On "Privacy Preserving & ICT Research Ideas" at CBIT from 02-03-2017 to 03-03-2017.

International Journal

1. Bilakanti H, Pasam S, Palakollu V, Utukuru S. Anomaly detection in IoT environment using machine learning. **Security and Privacy (web of science and ESCI). 2024;** e366. Doi: 10.1002/spy2.366.
2. Mr. U Sairam et.al. Published a paper titled "Heart Disease Prediction Using Data mining" in International Journal of Creative Research Thoughts (IJCRT) Volume 10, Issue 5, ISSN: 2320-2882, may 2022.
3. Mr. U Sairam et.al. Published a paper titled "Mental Health Prediction Using Deep Learning" International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; Volume 10 Issue II Feb 2022.
4. Mr U Sairam et.al., published a paper titled "Fake online reviews detection using Machine learning" Journal of Emerging Technologies and Innovative Research (JETIR), Volume 9, Issue 6, SSN-2349-5162, June 2022.
5. Mr U Sairam et.al. published a paper titled "Text summarization and detection based on web application", Journal of Emerging Technologies and Innovative Research (JETIR) Volume 9, Issue 6, SSN-2349-5162, June 2022.
6. Mr U Sairam, Mr V Santhosh published a paper titled "Breast Cancer Prediction using CNN and Machine Learning Algorithms with Comparative Analysis" in International Journal for Research in Applied Science & Engineering Technology Volume 9, Issue VI, June 2021

Details of Journal Publications/
Conferences (National and
International)

7. Mr. Santhosh Voruganti and Mr U Sairam published a paper titled "Digital Image Watermarking using Chaotic Encryption and Arnold Transform" in International Journal for Research in Applied Science & Engineering Technology Volume 9, Issue VI, June 2021.
8. Mr Santhosh V and U Sairam Published a paper title "Visual Question Answering with External Knowledge" in **Elsevier** (SSRN Journal) ISSN 1556-5068 and May 25, 2021. <http://dx.doi.org/10.2139/ssrn.3853031>.
9. Mr. U Sairam, Mrs. Surya Samantha (2020) "Applications and Enabling Technologies for IoT "Alochana Chakra Journal (**UGC**) ISSN NO: 2231-3990 pp. 9115-9125.
10. Mr. U Sairam, Mr. M.V Bhanu Prakash (2020) "DI And MI Approaches Along With Block chain Towards IoT Security" International Journal of Advanced Science and Technology (**Scopus** indexed journal) Vol. 29 No. 4s pp. 826-832.
11. U. Sai Ram, B. Surya Samantha (2019)"Technology Fundamentals of Block chain and Consideration for Block chain Security International Journal of Recent Technology and Engineering (**Scopus- IJRTE**) ISSN: 2277-3878, Volume-8, Issue- 1C2 pp.415-420.
12. Mr. U Sairam, Mr. M.V Bhanu prakash (2019) "Feature Prospect of the VAST Applications of Machine Learning" RESEARCH REVIEW International Journal of Multidisciplinary volume no 4 issue no 04 issn 2455-3085 pp.1266-1271
13. Mr. U Sairam, Mr. M.V Bhanu prakash (2019) A Review on Block chain Technology RESEARCH REVIEW International Journal of Multidisciplinary volume no 4 issue any 01 ISSN 2455-3085 pp. 498-501.
14. Mr. U Sairam, Mrs. Surya Samantha (2018) "A Survey on Challenges and Benefits towards the Adoption of DevOps Approach" International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653 Volume 6 Issue III pp.1004-1009.
15. B. Surya Samantha , M. Truth, U. Sairam (2018) "A Review on Using Crow Search Algorithm in Solving the Problems of Constrained Optimization " Volume 4 Issue 2 Print ISSN: 2395-6011 pp.1004-1009.
16. Utukuru Sairam, P. Prashanth Kumar, A. Ravi Kumar(2014) "Preventing Sensitive Information Leakage in Social Network Data " International Journal of Scientific Engineering and Technology Research with ISSN 2319-8885 Vol.03 Issue.25 pp:5053-5057

International /National Conferences

1. Charitha Reddy, Vanitha, U Sairam (2020) "Multi-Functional Blind Stick for visually impaired people" 5th International Conference on Communication and Electronics Systems (ICCES 2020) **IEEE** Organized by PPG Institute of Technology, Coimbatore Tamil Nadu India during 10-12 June 2020.
2. Mr U Sairam Presented a paper title Interview Performance Analyzer Using Facial Emotion Recognition and speech Fluency Recognition 2020 **IEEE** International Conference for Innovation in Technology (INOCON) Bengaluru, India. Nov 6-8, 2020.
3. Mr U Sairam has presented at the international conference on smart data intelligence (**IEEE- ICSMDI** 2021) organized by kongunadu college of engineering and technology, Trichy, Tamil Nadu, India on 29-30, April 2021.
4. Mr U Sairam has presented a paper title study of IoT Applications and the impact of loss of data 2021 5th International Conference on Trends in Electronics and Informatics (**IEEE- ICOEI**) | 978-1-6654-1571-2/21 conducted by SCAD College of Engineering and Technology, Tirunelveli, TamilNadu, India on 03-04- June-2021.
5. U. Sairam, D. K. Reddy Gowra and S. C. Kopparapu, "Virtual Mouse using Machine Learning and GUI Automation," 2022 8th International Conference on Advanced Computing and Communication Systems (**IEEE- ICACCS**), Coimbatore, India, 2022, pp. 1112-1117, doi: 10.1109/ICACCS54159.2022.9784972.
6. Mr U Sairam presented a paper titled Virtual Trail Room Using Haar Cascade Classifier that has been approved for the publication in the

proceedings of **AICTE** - Sponsored International Conference on Recent Advancements in Artificial Intelligence and Soft Computing ICAISC -2022, Organized by Methodist college of Engineering and Technology, Hyderabad, India.

7. Mr U Sairam presented a paper titled "Activity Recognition In Missing Data Scenario Using MICE Algorithm" in 14th Nature and Biologically Inspired Computing (**NaBIC'22**), Machine Intelligence Research Labs (MIR Labs) Scientific Network for Innovation and Research Excellence Auburn, Washington, USA. During the 13th World Congress on Nature and Biologically Inspired Computing held on December 15-16, 2022 (**Springer** conference).

8. Mr U Sairam, Presented a paper titled "Missing Data Resilient Ensemble Subspace Decision Tree Classifier" in The **ACM** India Joint International Conference on Data Science & Management of Data CODS-COMAD 2023 | **10th ACM IKDD CODS and 28th COMAD** from 04.01.23 to 07.01.2023 at IIT Bombay.

10. Guguloth, S., Telu, A., Sairam, U., Voruganti, S. (2023). Activity Recognition in Missing Data Scenario Using MICE Algorithm. In: Abraham, A., Hanne, T., Gandhi, N., Manghirmalani Mishra, P., Bajaj, A., Siarry, P. (eds) Proceedings of the 14th International Conference on Soft Computing and Pattern Recognition (**SoCPaR 2022**). **SoCPaR 2022. Lecture Notes in Networks and Systems**, vol 648. Springer, Cham. https://doi.org/10.1007/978-3-031-27524-1_82

11. L. Keerthi, P. Divya and U. Sairam, "Student Attendance Recognition using the Haar Cascade Algorithm," 2023 International Conference on Sustainable Computing and Smart Systems (ICSCSS), **IEEE**, Coimbatore, India, 2023, pp. 1238-1241, doi: 10.1109/ICSCSS57650.2023.10169646.

12. G. Dhekshagna, G. Sushmitha and U. Sairam, "Geriatric Disease Prediction: A Study on Age-Based Disease Prognostication," 2023 2nd International Conference on Edge Computing and Applications (ICECAA), **IEEE**, Namakkal, India, 2023, pp. 983-986, doi: 10.1109/ICECAA58104.2023.10212172.

13. V. S. Palreddy, N. Vangala, U. Sairam and V. Santhosh, "An Analysis of Engineering Stream Segregated Simultaneous Units Converter," 2023 7th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC- **IEEE**), Kirtipur, Nepal, 2023, pp. 933-939, doi: 10.1109/I-SMAC58438.2023.10290680.

14. C. Rashmika, G. Varsha and U. Sairam, "Gesture-Based Control of Ping-Pong: Developing an Interactive Game Interface," 2023 4th International Conference on Smart Electronics and Communication (ICOSEC- **IEEE**), Trichy, India, 2023, pp. 1085-1089, doi: 10.1109/ICOSEC58147.2023.10276168.

15. Tadepalli, S.K., Sharma, K., Sairam, U., Santosh, V. (2023). Behavioral Cloning-Enabled Autonomous Vehicle Lane Line Detection Using Nvidia Convolution Neural Network Model. In: Kumar, A., Ghinea, G., Merugu, S. (eds) Proceedings of the 2nd International Conference on Cognitive and Intelligent Computing. ICCIC 2022. Cognitive Science and Technology. **Springer**, Singapore. https://doi.org/10.1007/978-981-99-2746-3_74.