

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



Date of Joining 24-07-2015

E-mail usairam_it@cbit.ac.in

Education Qualifications	Name of the Degree	Class
Ph. D	Computer Science and Engineering (NIT-Warangal)	Awarded
PG	M. Tech. (CSE).	Distinction
UG	B. TECH. (IT)	First

Work Experience

Teaching	11 Years
Research	--
Industry	--
Others	--

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 2021-2024 and 2024 to 2026.
3. Member, IPME committee from 07.02.22 to till date.
4. Dept level CAMU Coordinator and In charge for Attendance in 2024
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 2019-23 and IT1 2022-26 Batch.
2. Mentor for Batch 1(2019-23 and 2022-26 batch)
3. Member, Course Expert Group.
4. T Tribe Coordinator.
5. Member EDC

Research Guidance UG- 30

Awards Received Certified Advanced RPA Professional

Courses Handled at Under Graduate / Post Graduate Level. Programming in C, OOP's using C++, OOPs using Python, Operating Systems, Computer Networks, Predictive Analytics using R and IoT, Machine Learning, Deep Learning, Large Language Models.

No. of Papers Published	National Journals – 0 International Journals – 5 (SCI-2, SCOPUS-3)
	National Conference – 0 International Conference – 25 (SCOPUS -17)

Projects Carried out --

Patents 02

Technology Transfer --

Invited Speaker

No. of Books/Chapter Published with details

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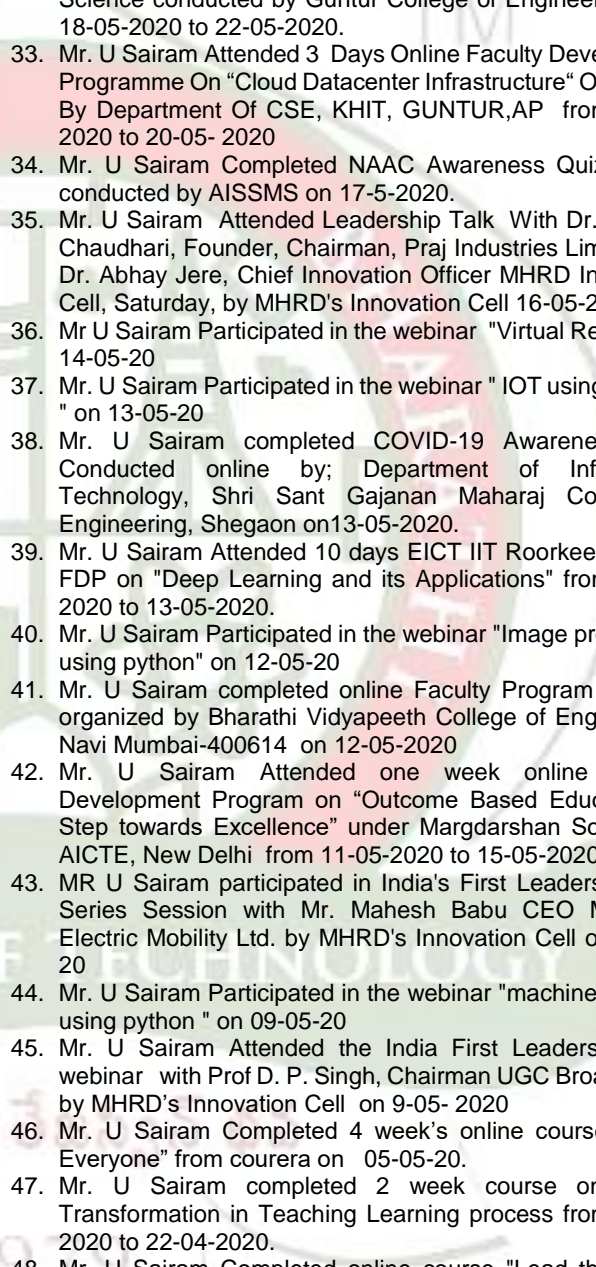
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Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Trainings (**Attended and/or Organized**).

1. Mr. U Sairam has participated in a One-Week Online Short-Term Training Program (STTP) on "IoT, Cyber Security, and Blockchain Technology" organized by the Department of Computer Science and Engineering, Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad, from 6th January 2025 to 10th January 2025.
2. Mr. U Sairam completed the Short-Term Programme/Faculty Development Programme under the Malaviya Mission Teacher Training Programme (MM TTP) of the University Grants Commission (UGC), organized by **IIT Kharagpur**, from 18th November 2024 to 27th November 2024 (10 days).
3. Mr. U Sairam participated in the Two-Week Winter School on "Computer Vision and Speech Processing," organized by the Department of Artificial Intelligence and Machine Learning, Chaitanya Bharathi Institute of Technology (CBIT), in technical association with the ACM Hyderabad Deccan Chapter, from 9th December 2024 to 21st December 2024.
4. Mr. U Sairam participated in a Two-Week International Short-Term Training Program on "AI-Driven Autonomous Systems: Applications and Innovations," held virtually by the Department of Information Technology, Chaitanya Bharathi Institute of Technology (Autonomous), from 27th January 2025 to 8th February 2025.
5. Mr. U Sairam participated in a one-day in-house workshop on "New NBA Evaluation Guidelines in Engineering/Technology," held on 22nd February 2025 at Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad.
6. 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 IEEE Education Society Student Branch Chapter CBIT during 22nd - 27th January 2024.
7. 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.
8. Mr. U Sairam Participated in the AICTE Recognized Faculty Development Program (NITTTTR) 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.
9. 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.
10. 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.
11. 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.
12. Mr U Sairam, has successfully completed the management of development program (MDP) sponsored by MSME from 14.03.2023 to 18.03.2023.
13. 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.
14. 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.

15. 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.
16. 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
17. 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.
18. 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
19. Mr u Sairam has attended online session on new generation cybercrimes and security on 20-May-2021
20. 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
21. 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
22. 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
23. 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.
24. 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
25. 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.
26. 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).
27. 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.
28. 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, 2021Department of CSE, CBIT(A), Hyderabad, Telangana.
29. Mr. U Sairam Attended ATAL FDP on Data Sciences conducted by IIIT Nagpur from 25-05-2020 to 29-05-2020

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30. Mr. U Sairam Attended 5-day Faculty Development Programme on "Artificial Intelligence" from 22-5-2020 to 26-5-2020 by CBIT.
31. 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.
32. 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.
33. 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
34. Mr. U Sairam Completed NAAC Awareness Quiz - 2020 conducted by AISSMS on 17-5-2020.
35. 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.
36. Mr U Sairam Participated in the webinar "Virtual Reality " on 14-05-20
37. Mr. U Sairam Participated in the webinar " IOT using arduino " on 13-05-20
38. 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.
39. 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.
40. Mr. U Sairam Participated in the webinar "Image processing using python" on 12-05-20
41. Mr. U Sairam completed online Faculty Program on NBA organized by Bharathi Vidyapeeth College of Engineering, Navi Mumbai-400614 on 12-05-2020
42. 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
43. 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
44. Mr. U Sairam Participated in the webinar "machine learning using python " on 09-05-20
45. 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
46. Mr. U Sairam Completed 4 week's online course "AI for Everyone" from courera on 05-05-20.
47. Mr. U Sairam completed 2 week course on Digital Transformation in Teaching Learning process from 06-04-2020 to 22-04-2020.
48. 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
49. 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
50. Mr. U Sairam Completed online course "Hello Bot: Introduction to RPA" course at Automation Anywhere University." on 11-03-20
51. Mr. U Sairam Automation Anywhere certified advanced RPA professional from automation anywhere university March 2020.

52. 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.
53. 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
54. Mr. U Sairam Attended the India First Leadership Talk webinar broadcasted by MHRD's Innovation Cell on 02-05-2020
55. Attended One Day National Level Workshop on "Vedic Maths "at CBIT on 27-07-2017.
56. Attended FDP on "Meeting the Challenges of Teacher in Modern Engineering Education" at CBIT from 12 -06-2017 to 17-06-2017.
57. Attended A Two Day National Level Workshop On "Internet Of Things Using Raspberry Pi3" at CBIT from 06-03-2017 to 07-03-2017.
58. 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. Utukuru, S., & Krishna, P. R. (2024). A Responsible AI approach for designing resilient classifier to handle incomplete data. *Intelligent Data Analysis*, 1088467X251314758. (**SCIE- Q3**)
2. Utukuru, S., & Radha Krishna, P. (2025). Meta-learning-based approach for IoT data analytics. *Sādhana*, 50(2), 1-9. (**SCIE- Q2**)
3. Sushmitha, G. L. N. D., & Utukuru, S. (2025). Age-based disease prediction and health monitoring: integrating explainable AI and deep learning techniques. *Iran Journal of Computer Science*, 1-10. (**Scopus-Q2**)
4. 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.
5. Sai Ram, U., & Surya Samantha, B. (2019). Technology fundamentals of blockchain and consideration for blockchain security. *International Journal of Recent Technology and Engineering*, 8(1C2), 415-420. (**Scopus**)

Details of Journal Publications/
Conferences (National and International)

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.

16. Giridi, S. V., Sree, M. K., Nandini, M., & Utukuru, S. (2024, September). Fake Logo Detection using Convolutional Neural Networks: A Deep Learning Approach. In 2024 5th International Conference on Smart Electronics and Communication (ICOSEC) (pp. 1492-1495). **IEEE**.

17. Reddy, B. S. K., Singh, D., Agarwal, C. P., Mithil, E., Utukuru, S., & Reddy, C. R. (2024, October). Python based Advanced Multiplayer Gaming Environment. In 2024 8th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud)(I-SMAC) (pp. 1189-1195). **IEEE**.

18. Multiscale feature extraction for enhanced wildlife and intrusion detection using UAV imagery in artificial intelligence and soft computing – ICAISC 2025, Grenze scientific society.
19. Enhancing coding skills in higher education: The role of hands on learning and E learning tools at the international conference on “Transforming education: Exploring the impact of E learning platforms in Bharat for vision Viksit Bharat@2047 held during 14-15 Feb 2025, sponsored by ICSSR.
20. LSTM vs CNN: A comparative analysis for NSE stock value prediction at the 2nd International Conference on Developments in sustainable materials (ICDSMIME -2024) in 13th Dec 2024.
21. Bonala, K., Saggurthi, P., Kambala, P. K., Voruganti, S., Utukuru, S., & Suganya, K. (2024, July). Efficient Handling of Waste Using Deep Learning and IoT. In 2024 2nd International Conference on Sustainable Computing and Smart Systems (ICSCSS) (pp. 368-373). **IEEE**.
22. Thodupunuri, L., Peesari, N., & Utukuru, S. (2024, July). Interpretable anomaly detection in industrial control systems using federated learning. In 2024 8th International Conference on Inventive Systems and Control (ICISC) (pp. 687-692). **IEEE**.
23. Gudapati, L. N. D. S., Landeri, S., Venkata, V. S., & Utukuru, S. (2025, February). Mitigating Fraudulent Calls with NLP. In International Conference on Multi-Strategy Learning Environment (pp. 211-221). Singapore: **Springer Nature** Singapore.
24. Shivani, M., Harshitha, K., Nikhitha, T., Anvesh, N., & Utukuru, S. (2025, March). HealthHire Hub: Simplifying Medical Recruitment. In 2025 International Conference on Intelligent Computing and Control Systems (ICICCS) (pp. 846-851). **IEEE**.
25. Varsha, G., Rashmika, C., Keerthi, L., & Utukuru, S. (2025, January). PathFinder: Interactive Game for Career Exploration. In International Conference on Artificial Intelligence and Smart Energy (pp. 374-386). Cham: **Springer Nature** Switzerland.

