

Name of Faculty B SWATHI
 Designation ASSISTANT PROFESSOR
 Nature of Job/Appointment Contract
 Date of Joining 01 - 06 - 2026
 E-mail swathib_it@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (CSE) IIITDM KURNOOL	Pursuing
PG	M. Tech. (CSE)	Distinction
UG	B. Tech. (CSE)	First Division
Work Experience	12Y 7M	
Teaching	8 Years 4 months	
Research		
Industry	4 years 3 months	
Others	--	
Area of Specialization	Software Engineering, Blockchain technology, cloud computing, Cyber Security	
Professional Memberships	IEEE Membership-100931826, IEEE Computer Society membership:IEEE Membership, International Association of Engineers - IAENG Number: 374604	
Responsibilities held at Institution Level	-----	
Responsibilities held at Department Level	1. Dept Newsletter Coordinator 2. WBC Dept Coordinator	
Research Guidance	--	
Awards Received	--	
Courses Handled at Under Graduate / Post Graduate Level.	Software Engineering, Software Testing Methodologies, Agile Methodologies, Software Project Management, Cloud Computing, Object-Oriented Analysis & Design (UML), E-Commerce, Cyber Security, Free and Open Source Software.	
No. of Papers Published	International Journals – 7 Web of Science –1 National Conference – 1 International Conference – 07	
Projects Carried out	-	
	1. Application Number : 202341058336 Invention : ML-BASED FRAUD DETECTION SYSTEM FOR FINANCIAL TRANSACTIONS Date of Publishing: 16.12.2022	Title of the
Patents	2. Application Number: 202541062046 Invention: IoT-Based Bathroom Cleaner Date of Publishing: 14.08.2024 3. Application Number: 465302-001 Title of the Invention: AGRICULTURE FIELD OPERATIONS MANAGING ROBOT Date of Publishing: 06.07.2025	Title of the
Technology Transfer	--	
Invited Speaker	1. Session Co-chair at “ School of Computing Department of Artificial Intelligence & Machine Learning 6th International Conference on Computer & Communication Technologies (IC3T) 2024	

04- 05 October, 2024.

No. of Books/Chapter Published with details

1 Chapter 16 Title: Sustainable Solutions for E-Waste and Development
ISBN: 9798369310182
239-253

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

1. EMERGING TRENDS IN DATA ANALYTICS
2. NATIONAL EDUCATIONAL POLICY
3. "ESSENTIAL MATHEMATICS FOR DATA SCIENCE AND MACHINE LEARNING"
4. "MACHINE-LEARNING & DEEP-LEARNING FOR REAL TIME APPLICATIONS"
5. Machine Learning in Big Data Analytics, Principles, Techniques and Challenges
6. "Inculcating Universal Human Values in Technical Education"
7. Java Certification Infosys Springboard
8. Programming Fundamentals using Python - Part 1 Certification Infosys Springboard
9. Agile Scrum Certification FAC Infosys Springboard
10. DATA ANALYTICS Certification Course edX
11. Google WebML101 Google AI edX Certification Course edX
12. IBM A10131ENCertification Course edX
13. DBMS PART-1Certification Course INFOSYS SPRINGBOARD
14. DBMS PART-2 Certification Course INFOSYS SPRINGBOARD
15. Data Science (Internship) Online Workshop (PANTECH) Certification on Data Science (1 month)
16. Adobe AICTE |Digital Creativity Skills | Professional Development Online Workshop Certificate on creativity skills
17. 5G: A Catalyst for the Next Wave of Innovation & Digital Transformation Webinar
18. National Intellectual Property Awareness Mission Webinar NIPAM MISSION DELHI
19. Microsoft Azure Administrator Certification Course Microsoft certified
20. Introduction to Cybersecurity Certification Course Cisco Networking Academy
21. Microsoft Azure Administrator Associate Certification Course Microsoft Certified
22. Mobility Testing Certification Course, Infosys Springboard
23. Inculcating Universal Human Values in Technical Education Certification Course, AICTE
24. Andhra Pradesh State Skill Development Corporation (APSSDC) in Collaboration with ExcelR Certification Course APSSDC
25. Cloud Computing and its Applications Certification Course edX
26. ETL – Data Warehousing Tools WORKSHOP
27. Data Science Certification Course EXCEL R (APSSDC)
28. Amazon Web Services Certification Course "

Details of Journal Publications/Conferences (National and International)

International Conference :

1. B. Swathi, Dr. R. Praneetha Sree, "Systematic Literature Review of Blockchain-Enhanced Privacy in Fog Computing Networks," Cluster Computing, Springer, SCI/Web of Science, Q1 Journal. DOI: 10.1007/s10586-025-05676-4.
2. B. Swathi, Kamsali, S. Gayathri, K. & Lakshmi, M. D., "Design and Implementation of an IoT-Enabled Bluetooth Robot Car with Obstacle Avoidance," 2023, International Journal/Scopus indexed publication. ISSN: 2147-6799.
3. B. Swathi, K. Sandhya Rani, V. Sandeep Kumar Reddy, Sirisha Kamsali, "Predictive Analytics for Parkinson's Disease Progression Analysis," Scopus-indexed journal. ISSN: 2663-2187.

4. Dr. V. G. Prasuna, B. Swathi, Dr. V. Jyotsna, "Predictive Modeling of Machine Learning in Big Data Analytics, Principles, Techniques and Challenges," Scopus-indexed journal. ISSN: 2663-2187.
5. Macherla Dhana Lakshmi, Bestha Chandrakala, Mahanadi Y, B. Swathi, "Predicting Alzheimer's Progression with Integrated Clustering and Ensemble Learning," Scopus-indexed journal. ISSN: 2663-2187.
6. M. Rudrakumar, Sirisha Kamsali, B. Swathi, "Predictive Analytics in Healthcare by Leveraging Feature Engineering and Machine Learning," Scopus-indexed journal. ISSN: 2458-2187.
7. K. S. Kannan, B. Swathi, Kartik Jayathirth, "Improving the Quality of Service by Enhancing the Network Lifetime in Wireless Multimedia Sensor Networks," Scopus-indexed journal.
8. 2. Papers Published in International Conferences
9. B. Swathi, Supraja, M. Archana, D. Bhadru, Naga Lakshmi Somu, "Edge-Centric IoT Health Monitoring: Optimizing Real-Time Responsiveness, Data Privacy, and Energy Efficiency," International Conference on Mobile Computing and Sustainable Informatics (ICMCSI), IEEE Purbanchal University, Nepal, 25 April 2025. ISBN: 979-8-3315-2266-7.
10. B. Swathi, M. R. Kumar, M. Riyaz Belgaum and Z. Alansari, "Emotion Recognition Using Bayesian Learning from a Multi-Label Data Corpus," International Conference on Computing, Networking, Telecommunications & Engineering Sciences Applications (CoNTESA), Skopje, North Macedonia, December 2022. DOI: 10.1109/CoNTESA57046.2022.10011330.
11. B. Swathi, K. S. Kannan, S. S. Chakravarthi, G. Ruthvik, J. Avanija and C. C. M. Reddy, "Skin Cancer Detection using VGG16, InceptionV3 and ResUNet," 4th International Conference on Electronics and Sustainable Communication Systems (ICESC), Coimbatore, India. DOI: 10.1109/ICESC57686.2023.10193609.
12. B. Swathi, Supraja V., M. Archana, D. Bhadru, Naga Lakshmi Somu, M. Bhavsingh, "Edge Centric," 6th International Conference on Mobile Computing and Sustainable Informatics (ICMCSI), Nepal/India, January 2025. DOI: 10.1109/ICMCSI64620.2025.10883456.
13. T. Swathi, B. Swathi, P. Sunanda, "Mitigating VM Sprawl: Strategies for Effective Resource Management in Cloud Environments," 2024 IEEE 6th International Conference on Cybernetics, Cognition and Machine Learning Applications (ICCCMLA), Germany, October 2024. DOI: 10.1109/ICCCMLA63077.2024.10871495.
14. B. Swathi, T. Swathi and M. Rudra Kumar, "ML-Driven Predictive Analytics for Effective Hiring Under HR Practices," International Conference on Advanced Materials, Manufacturing and Sustainable Development (ICAMMSD-2024), Kurnool, November 2024. DOI: 10.2991/978-94-6463-662-8_35.
15. N. Narendra Reddy, B. Rupa Devi, B. Swathi, L. Jayasree, G. Suryanarayana, S. Athinarayanan, "Advancing Chronic Kidney Disease Diagnosis and Prediction Using a Stacked Model Approach," 2nd International Conference on Artificial Intelligence Trends and Pattern Recognition (ICAITPR), Hyderabad, December 2024. DOI: 10.1109/ICAITPR63242.2024.10960055.
16. B. Swathi, B. Ramesh, Kambala Madhu Latha, M. Bhavsingh, M. Padma, "Enhancing Real-Time IoT Applications in Cloud Communication Networks through Adaptive Intelligent Routing and Secure Data Transmission," IEEE conference, Thailand, April 2025. DOI: 10.1109/ICMLAS64557.2025.10968666.

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