Name of Faculty	Dr Anila Macharla	
Designation	Assistant. Professor	
Nature of Job/Appointment	Regular	
Date of Joining	11-05-2022	
E-mail	anila_cse@cbit.ac.in	

Education Qualifications	**Name of the Degree**	**Class**
Ph. D	Doctor of Philosophy (CSE)	Awarded
PG	M. Tech. (CSE)	Distinction
UG	B. Tech.	Distinction

Work Experience	
Teaching	14 Years
Research	06 years
Industry	--
Others	--
Area of Specialization	Artificial Intelligence: Machine Learning, Deep Learning, DBMS, Data Mining,
Professional Memberships	CSI, ACM, IAENG, CSTA
Responsibilities held at Institution Level	--
Responsibilities held at Department Level	
Research Guidance	--
Awards Received	1. "YOUNG WOMAN in ENGINEERING - CSE" at International Woman's Meet 2018, conducted by VIF, Chennai. 2. I2OR-Bright Educator Award 2018 in the field of "Data Mining" Dec'2018. 3. I2OR (an MSME Organization) "International Educator of the year 2022" in December 2022.
Courses Handled at Under Graduate / Post Graduate Level.	UG: Machine Learning, Programming for Problem Solving, DBMS, SE PG: Data Preparation and Analysis, Open Source Technologies.
No. of Papers Published	National Journals – -- International Journals – 10 National Conference – 00 International Conference – 05
Projects Carried out	--
Patents	PATENT #1: Application Number: 202341021344 Title of the Invention: A SYSTEM FOR DIAGNOSIS OF PARKINSON'S DISEASE USING DEEP NEURAL NETWORK Date of Publishing: 07/04/2023 PATENT #2: Application Number: 202441009994 Title of the Invention: A SYSTEM AND METHOD FOR DIAGNOSIS OF PARKINSON'S DISEASE USING TRANSFER LEARNING Date of Publishing: 14/02/2024 PATENT #2: Application Number: 202441019518 Title of the Invention: Method to classify melanoma using convolutional network Date of Publishing: 29-03-2024

Technology Transfer	1. Acted as Resource person for In-house Python FDP conducted in CBIT, August'2022. 2. Acted as Resource person for Summer Camp and delivered sessions of Python conducted in CBIT, June'2022.
Invited Speaker	1. Delivered Expert Talk on "Artificial Intelligence" on 26-Nov-2022 and 03-Dec-2022 at KNR college of Engineering and Research, Hyderabad.
No. of Books/Chapter Published with details	1. Book Chapter Name: "Heart Failure Detection Through SMOTE For Augmentation and Machine Learning Approach For Classification"- Chapter ID - CHSF07. Scrivener Publishing associated with Wiley 2. Book Name: Distributed Computing and Optimization Techniques DOI : 10.1007/978-981-19-2281-7 Chapter Title : Diagnosis of Parkinson's Disease Using Optimized Neural Network Model, Springer Nature.
Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Trainings (Attended and/or Organized).	1. Organized one-week FDP ' Emerging trends in Computer science' from 22-4-24 to 26-4-24 at CBIT. 2. Attended Two-Day MATLAB training program at CBIT,2022. 3. Attended 4 - week Entrepreneurial Development Program in December 2019 at KL University, conducted by MSME, Hyderabad. 4. Attended one week FDP on Advanced Deep Learning Techniques at KL University from 12th May 2019 to 18th MAY 2019. 5. Conducted two-day SDP on AI & ML techniques in association with Bennett University from 09-03-2019 to 10-03-2019. 6. Attended workshop on AI & Deep Learning & NVIDIA Deep Learning Institute at CMRCET, Hyderabad in association with Benette University from 14-07-2018 to 16-07-2018. 7. Attended one week FDP on "AI & Machine learning" at NIT, Warangal from 04-06-2018 to 08-06-2018. 8. Attended "5 Day-FDP on Programming with PL/SQL" by ORACLE from 23-04-18 to 27-04-18 at MLRIT, Hyderabad. 9. Received appreciation for participation in One-week workshop on IoT at IARE, Hyderabad. 10. Organized Two Week Workshop on "Big Data Analytics using R" at KLEF in 2016. 11. Organized Two-day workshop on "Cyber Crime Investigation Techniques- Empowering First Responders" for AP Police Department from 27th to 28th November 2015 12. Organized Two-day International Conference "Artificial Intelligence & Cognitive Computing 2018" at MLR Institute of Technology held on 02-FEB-2018 to 03-FEB-2018. 13. Organized "Two-Week faculty development program on Big Data Analytics" from 26-APR-2016 to 06-MAY-2016 at KLU. 14. Organized National conference on "Big data analytics & its applications" in MAR'2016 at KLU. 15. Organized National Workshop on "Intellectual Property Rights and Scholarly Publishing Tools for Quality Research" on 9th & 10th May, 2015.
Details of Journal Publications/ Conferences (National and International)	

1. "An LSTM based DNN Model for Neurological Disease Prediction Using Voice Characteristics", EAI Endorsed Transactions on Pervasive Health and Technology, DOI: 10.4108/eetpht.10.5424, Scopus.
2. "Heart Disease Prediction Using GridSearchCV and Random Forest", EAI Endorsed Transactions on Pervasive Health and Technology, DOI: https://doi.org/10.4108/eetpht.10.5523, Scopus.
3. "A novel framework for the diagnosis of Parkinson's disease using transfer learning with RESNET50 and SVM classifier", IJEECS, 2023, DOI:10.11591/ijeecs.v32.i2 , pp 877-866 (Scopus)
4. "Parkinson's Disease Identification using Deep Neural Network with RESNET50", International Journal of Advanced Computer Science and Applications, 2022, 13(11), pp. 488–495 (Scopus)
5. "Diagnosis of Parkinson's Disease Using Deep Neural Network" at ICGPC June 2021(Scopus).
6. "Diagnosis of Parkinson's Disease Using Optimized Neural Network" at SMARTGENCON, IEEE conference conducted in October 2021, Scopus.
7. "Diagnosis of Parkinson's disease using artificial neural network", International Journal of Emerging Trends in Engineering Research, 2020, 8(7), pp. 3700–3707
8. "Least Square Regression for Prediction Problems in Machine Learning using R" in IJET(UAE) July 2018.
9. "Study of prediction algorithms for selecting appropriate classifier in machine learning" in JARDCS for December 2017.
10. Published an article "The HUMachine" in CSI-Communications for Computer Society of India in Jan-2018.
11. "FRAMEWORK FOR COMPETENT DATA ABSTRACTION USING AI" in IJCESR, 2017.
12. "Implementation of Smart Parking Management system using Apache Tomcat Server " in IJARCS ,2017

International Conferences:

1. "Detection and classification of malicious URLs based on machine learning models", 7th IET Smart Cities Symposium (SCS 2023), Bahrain, DOI: 10.1049/icp.2024.0877.
2. "Pixel Value Ordering Based Prediction for High-Fidelity Images", IEEE International conference on "Cognitive, Green and Ubiquitous Computing", 2024 (IC-CGU). conducted on 1st - 2nd March 2024.
3. "A Model for Privacy-Preservation of User Query in Location Based Services", DOI: https://doi.org/10.1007/978-981-99-7962-2_9, (Springer Conference) ICDICI 2023, conducted on 27&28-June 2023.
4. "Diagnosis of Parkinson's Disease Using Deep Neural Network Model", DOI: 10. 1109/SMARTGEN CON5189 1.2021.9645853, SMARTGENCON 2021.
5. "Software reliability models –A Comparative study", ICISS. , 2018.
6. Implementation of Smart Parking Management system using Apache Tomcat Server "in ICISS 2017.