


Profile

Name of the Faculty	Dr. B. Adithya	
Designation	Associate Professor	
Department	CSE-AI&ML	
Area of Interest	Data Structures, Database Management Systems, Image Processing, Biometrics	
Subjects Taught	Data Structures, Web Technologies, Database Management Systems, Web Services in XML, Machine Learning	
JNTUH Registration Id	6891-220920-142557	
College Staff Code	SC1747	
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Educational Qualifications:

S. No.	Degree	Specialization	University/College	Year
1	Ph.D	DNA Cryptography	Pondicherry University (Central), Puducherry	Jan 2023
2	M.Tech	Information Technology	Pondicherry University (Central), Puducherry	June 2018
3	B.Tech	Information Technology	Pondicherry University (Central), Puducherry	May 2016

Publications Details:

S. No.	Publication Details
	Journals
1.	“Adaptive Hybrid Knowledge Transfer Framework for Multi-Domain Optimization and Behavioural Tasks” is published in The Indian Journal of Technical Education, Vol. 48(1), pp. 195-203, 2025. (UGC CARE- ISTE)
2.	“Deep Multimodal Fusion for Ingredient Prediction from Food Images and Recipe Descriptions” is published in Journal of Information Systems Engineering and Management, Vol. 10(32s), pp. 722-732, 2025.

3.	"Adaptive Hybrid Quantum-Inspired Optimization for Enhanced Global Search Efficiency" is published in Journal of Information Systems Engineering and Management, Vol. 10(31s), pp. 60-67, 2025.
4.	"AI-Based Secure and Energy-Efficient Framework for Multi-Tenant Cloud Systems" is published in Journal of Information Systems Engineering and Management, Vol. 10(30s), pp. 268-279, 2025.
5.	"DCE-NET: An Overview on Low-Light Enhancement" is published in International Journal of Research in Machine Learning and Deep Learning, Vol. 1(1), pp. 23-31, 2024.
6.	"Advancements and Challenges in Transfer Learning and Domain Adaptation: A Comprehensive Survey on Mitigating Negative Transfer" is published in Nanotechnology Perceptions, Vol. 20 S(9), (SCOPUS), 2024.
7.	"Fundamentals of DNA Computation in the Domain of Cryptosystem" is published in International Journal of Information Systems and Social Change, Vol.14(1), IGI Global, (IET Inspec), 2023.
8.	"A DNA Sequencing Medical Image Encryption System (DMIES) using Chaos and Knight's Map" is published in International Journal of Reliable and Quality E-Healthcare, vol. 11(4), IGI Global, (SCOPUS), 2022.
9.	"A Biological-Inspired DNA Cryptographic based Morse Code Ciphering Strategy for Secure Data Transmission" is published in International Journal of Knowledge-Based Organizations, Vol.12(3), IGI Global, (IET Inspec), 2022.
10.	"A Biological-Inspired Cryptosystem based on DNA Cryptography and Morse Code Ciphering Technique" is published in ASM Science Journal, Vol.7, (SCOPUS), 2022.
11.	"DNA Cryptography using DNA Fragment Assembly and Fragment Key Expansion for Genomic Data" is published in International Journal of Organizational and Collective Intelligence, Vol.12(2), IGI Global, (IET Inspec), 2022.
12.	"Deoxyribonucleic Acid (DNA) Computing using Two-by-Six Complementary and Color Code Cipher" is published in Bulletin of Computer Science and Electrical Engineering, Vol.2, ISSN: 2722-7324, 2021.
13.	"Data Hiding using Deoxyribonucleic Acid (DNA) Computing with Morse Code Cryptosystem" is published in European Journal of Molecular and Clinical Medicine, (SCOPUS), Vol.7, ISSN: 2515-8260, 2020.
14.	"Deoxyribonucleic Acid (DNA) Computing using Color Code Cryptographic Technique" is published in Solid State Technology, (SCOPUS), Vol.63, ISSN: 0038-111X, 2020.
15.	"A Survey on Conformance Checking of Event Logs and Process Models in Business Organization" is published in International Journal of Psychosocial Rehabilitation, (SCOPUS), Vol.24(3), ISSN: 1475-7192, 2020.
16.	"A Fuzzy Logic based Bit Plane Complexity Segmentation Steganography to secure Electronics Health Records" is published in International Journal of Pure and Applied Mathematics, (SCOPUS), Vol. 118(20), ISSN: 1311-8080, 2018.
17.	"A Survey on Medical Image Protection using Various Steganography Techniques" is published in Advances in Natural and Applied Sciences, ISSN: 1995-0772, 2017.
18.	"An Enhanced Circuit Ciphertext Cloud based efficient user revocation mechanism on top of anonymous on top of ABE" is published in International Journal of Emerging Technology in Computer Sciences & Electronics, ISSN: 0976-1353, 2016.

Conferences	
1.	Presented Paper in Sixth International Conference on Computer and Communication Technologies on Topic “Adaptive Knowledge Transfer Engine: Dynamic Strategy Optimization and Scalable Learning for Diverse Machine Learning Tasks”, SPRINGER (SCOPUS), Presented on October 2024. (Yet to be Published)
2.	Presented Paper in Sixth International Conference on Computer and Communication Technologies on Topic “DynaSoM: Dynamic Self-Organizing Maps for Real-Time Multi-Modal and Fair Social Network Analysis”, SPRINGER (SCOPUS) Presented on October 2024. (Yet to be Published)
3.	Presented Paper in Second IEEE International Conference on Advances in Information Technology on Topic “Mitigating Catastrophic Forgetting in Deep Learning Models for Sentiment Analysis”, IEEE (SCOPUS), 2024. (Won Best Paper Award)
4.	Presented Paper in 6 th International Conference on Computational Intelligence and Digital Technology on Topic “A Comprehensive Analysis of Deep Learning in Low-Light Photography Enhancement”, AIP (SCOPUS), May 2024. (Yet to be Published)
5.	Presented Paper in International Conference on Emerging Issues & Innovative Practices on Machine Learning in Big Data Analytics and Data Science on Topic “Optimization of Personal Recommendation in E-Commerce using Process Mining”, 2022.
6.	Presented Paper in International Conference on Innovations and Challenges in Computing, Analytics and Security on Topic “Survey on DNA based Cryptography”, 2020.
7.	Presented Paper in International Conference on Research Advancements & Challenges in Engineering Sciences on Topic “Survey on Data Hiding using DNA based Cryptographic Algorithms”, 2020. (Won Best Paper Award)
8.	Presented Paper in International conference on Computer Networks, Big data and IoT on Topic “Bio-Inspired Deoxyribonucleic Acid based Obnubilating using Enhanced Computational Algorithms”, SPRINGER (SCOPUS), 2019.
9.	Presented Paper in International Conference on Contemporary Engineering and Technology on Topic “Review and Performance Analysis on Data Encryption Algorithms”, 2019.
10.	Presented Paper in International Conference on Contemporary Engineering and Technology on Topic “Survey on Various Machine Learning Techniques for Sentiment Analysis of Twitter Data”, 2019.
11.	Presented Paper in International Conference on Contemporary Engineering and Technology on Topic “Survey on Breast Cancer Classification using various Machine Learning Techniques”, 2019.
Book Chapter	
1.	“A Survey on Detection of Deepfake Text and Sentiment Analysis using Machine Learning Models” is published in Sentiment Analysis Unveiled, CRC Press, Taylor & Francis (SCOPUS), pp. 83-107, ISBN: 978-1-00350-483-2, 2025.
2.	“DNA Computing using Cryptographic and Steganographic Strategies” is published in Data Integrity and Quality, IntechOpen, BCI(WoS), ISBN: 978-1-83968-799-0, 2021.

	Patent
1.	“Integrating DNA Computation with Fragment Assembly: A Genomic Approach to Complex Problem” is published on 05/07/2024 under Utility Patent, Application No: 202441050633
2.	“Irrigation System using Artificial Intelligence based Predictions” is granted on 03/05/2024 under Design Patent, Application No: 410126-001
3.	“Smart Barrier for Reserved Parking” is granted on 02/04/2024 under Design Patent, Application No: 379250-001
4.	“Internet of Things based Rail Track Inspection Robot” is granted on 26/04/2023 under Design Patent, Application No: 378652-001

Experience:

Teaching	3
Industry	2
Research	3
Total Experience	8