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Degree: M.E.(Ph.D)

Designation: Assistant professor

Experience: 15 years 3 months

Area of Specialization: Machine learning , Data science

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Subjects Handled: Compiler Design, Design and analysis of algorithms, predictive analytics, Data and information security, EDA, Foundation of data science, DBMS, OOPS, COA, Cyber forensics.

Publications (Journals & Conferences):

SCI:

1.P. Ashok¹ T. Ragnunthar² T. Prabahar Godwin James¹ K. Somasundaram³ S. Ananthi⁴ “Empowering an IoT platform with advance quantum computing and a Customized deep residual technique” Optical and Quantum Electronics (2023) 55:859 <https://doi.org/10.1007/s11082-023-05154-4>.

2.Lakshmi B N,V. Sumathi , S.Ananthi, M.Praveena, “Brain Tumor Image Classification Using Brain Tumor in the context of Medical Image Processing” ISSN 2277-1808 Bulletin of Environment, Pharmacology and Life Sciences Bull. Env. Pharmacol. Life Sci., Vol 11 [5] April 2022: 50-55 ©2022 Academy for Environment and Life Sciences, India Online ISSN 2277-1808.

Scopus:

1. P. Ashok, A.Kavinilavu, S. Ananthi,” Computer Vision-Based Detection and Recognition Model of Objects for any Autonomous Systems in Low Illumination Condition”, 2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) | 978-1-6654-3789-9/22/\$31.00 ©2022 IEEE | DOI: 10.1109/ICACITE53722.2022.9823533.

2. Blesslin Sheeba T,T. Manimegalai,S. Ananthi,U. Muthuraman“ASVM: Adaboost with SVM-based Classifier Implementation for Aspect-based Opinion Mining to Appraise Products”, Conference: 2022 International Conference on Inventive Computation Technologies (ICICT)|DOI:10.1109/ICICT54344.2022.9850655.

3. B Mathivanan, KR Nandhashree, C Radhakrishnan, S Ananthi, P Suganthi, R Asokan”Deployment of Scalable Cloud Based Image Processing Application Using

Fuzzy Coupled Learning Technique”2022 1st International Conference on Computational Science and Technology (ICCST),14 February 2023,DOI: 10.1109/ICCST55948.2022.10040314.

International Conference:

1.Manjunathan, Lakshmi , S Ananthi , Ramachandran , Bhuvaneshwari ”Image Processing Based Classification of Energy Sources in Eatables Using Artificial Intelligence”. Annals of R.S.C.B., ISSN:1583-6258, Vol. 25, Issue 3, 2021, Pages. 7401 – 7407.

2. P.Matheswaran, C.Navaneethan , S.Meenatchi , S.Ananthi , K.Janaki , A.Manjunathan “Image Privacy in Social Network Using Invisible Watermarking Techniques” Annals of R.S.C.B., ISSN:1583-6258, Vol. 25, Issue 5, 2021, Pages. 319-327

3.M.Bharathi, S.Ananthi “RURAL BASIC HEALTHCARE AUTOMATED SYSTEM” International Journal of Creative Research Thoughts (IJCRT), Volume 5, Issue 4 December 2017 | ISSN: 2320-2882

4.S.Ananthi, M.Bharathi, S.Anand “RESOLVING BIAS IN RECOMMENDER SYSTEMS” International Journal of Creative Research Thoughts (IJCRT), Volume 5, and Issue 4 December 2017 | ISSN: 2320-2882.

5.S Ananthi, S.Anand,” Medbot-An helper to the patients” Ilkogretim online-Elementary education online December 2021.

6.S. Anand Kumar, T. Rangunthar . S. Ananthi,” Green Computing Based Optimized Resource Utilization in a Cloud Computing Environment” International Journal of Applied Engineering Research (IJAER), 2015, 10, Special issue.

7.A Novel Approach of Data Mining Techniques for Pattern Hiding analysis in medical database” paper was presented at international level in “AMC engineering college”, Bangalore.

8.“An Effective data mining techniques on Medical Database for Pattern Hiding Analysis” paper was presented at international level in “Sri Lakshmi ammaal engineering college”, Chennai.

NATIONAL CONFERENCE

1.“Pattern hiding analysis with improved semantics in medical database” paper was presented at national level in “Dhanalakshmi srinivasan college of engineering and technology”, Mamallapuram, Chennai.

2.“An Efficient Pattern Hiding Analysis in Medical Database” paper was presented at national level in “Bharathiyar institute of engineering for women”, salem.

3.“RESOLVING BIAS IN HYBRID RECOMMENDATION SYSTEMS” paper was presented at national level in “Sri Sairam Institute Of Technology”, Chennai.

Book Chapters:

1. Published paper titled: “Real time face detection and person tracking using deep learning” with ISBN: 978-93-5636-162-1 in the book title Top 5 technology trends in world transforming data to knowledge - Immortal Publication , May 2022.

2. B Singh, TI Ahmed, P Suganthi, S Ananthi, K Pant, MK Koul“Detection of Breast Cancer Diagnosis Algorithm Based on TWCNN Technique”Computational Intelligence for Clinical Diagnosis, 117-132 @2023, Springer International Publishing, BOOK Computational Intelligence for Clinical Diagnosis.

Book:

Python Programming

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Patents Published:

1. Patent (IPR) published titled on “IOT, AI, ML, DL based identification and prevention of Tropical- Cyclones using Satellite Image”

APPLICATION NUMBER: 202241012140

DATE OF FILING: 7/03/2022

PUBLICATION DATE (U/S 11A):25/03/2022

2. Patent (IPR) published titled on ANTI-JAMMING VEHICLE COMMUNICATION WITH MACHINE LEARNING TECHNIQUE

APPLICATION NUMBER: 202241061625

DATE OF FILING: 28/10/2022

PUBLICATION DATE (U/S 11A):18/11/2022

3. Patent (IPR) published titled on AI BASED PREDICTION AND PREVENTION OF MUSCULOSKELETAL DISEASES DISORDERS, BONE

TUMOUR AND CANCER USING IMAGE PROCESSING AND DEEP LEARNING ALGORITHM

APPLICATION NUMBER: 202341008177

DATE OF FILING: 8/02/2023

PUBLICATION DATE (U/S 11A):17/02/2023

4. Patent (IPR) published titled on A SYSTEM AND METHOD FOR ASSISTING USER ALARM USING IOT

APPLICATION NUMBER: 202441003972

DATE OF FILING: 19/01/2024

PUBLICATION DATE (U/S 11A)

9/02/2024

5. Patent (IPR) published titled on DYNAMIC TRAFFIC CONTROL METHODOLOGY WITH IOT AND MACHINE LEARNING INTEGRATION

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PUBLICATION DATE (U/S 11A)

13/12/2024

FDP Organized:Nil

Funded Projects:Nil

Google Scholar ID: <https://scholar.google.co.in/citations?user=MCdyR2wAAAAJ&hl=en>

Scopus ID: <https://www.scopus.com/authid/detail.uri?authorId=56440127600>

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