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Ms. Aarthi B is working as an Assistant Professor in the Department of CSE at SRMIST, Ramapuram campus. She completed her Master's degree in Computer Science and Engineering (M.E CSE) from Anna University in the year 2013. She is currently pursuing a Ph.D. degree in the field of Sentiment Analysis at **SRM Institute of Science and Technology, Kattankulathur** from Jan 2020. She has 7 years of teaching experience with good programming skills. She is also certified in various courses from Coursera and NPTEL. She has guided more technical projects for UG students and submitted Research proposals. She has published more than 10 Research articles in National and International Journals and Conferences.

Area of Research:

Sentiment Analysis, Artificial Intelligence, Machine Learning

Selected Publications:

1. Aarthi, B., & Chelliah, B. J. (2023). HATDO: hybrid Archimedes Tasmanian devil optimization CNN for classifying offensive comments and non-offensive comments. *Neural Computing and Applications*, 1-21. **SCI Indexed**
2. Aarthi, B., & Chelliah, B. J. (2022). Deep recurrent neural network-based Aquila optimization-based online shaming emotion analysis. *Concurrency and Computation: Practice and Experience*, 34(11), e6882. **SCI Indexed**
3. Aarthi, B., Jeenath Shafana, N., Flavia, J., & Chelliah, B. J. (2022). A hybrid multiclass classifier approach for the detection of malicious domain names using RNN model. In *Computational Vision and Bio-Inspired Computing: Proceedings of ICCVBIC 2021* (pp. 471-482). Singapore: Springer Singapore.
4. Shafana, N. J., Gowri, V., Aarthi, B., Mohan, A., & Swaminathan, G. A. (2022, March). Machine Learning Algorithms to Evaluate Fuzzy Logic Web Services for Monitoring the Real-Time Applications. In *2022 International Mobile and Embedded Technology Conference (MECON)* (pp. 384-389). IEEE.
5. Aarthi, B., Jeenath Shafana, N., Tripathy, S., Sampat Kumar, U., & Harshitha, K.

- (2022). Sentiment Analysis Using CatBoost Algorithm on COVID-19 Tweets. In Intelligent Communication Technologies and Virtual Mobile Networks: Proceedings of ICICV 2022 (pp. 161-171). Singapore: Springer Nature Singapore.
6. Aarathi, B., Sridevi, S., Ashok, P., & Naeem, Y. (2023). Clinical Intelligence for Cloud Services Resource Scheduling Using RNN. In Computational Intelligence for Clinical Diagnosis (pp. 527-540). Cham: Springer International Publishing.
 7. Aarathi, B., Joshi, J., Padhya, N., & Tiwari, A. (2022, April). A unified & powerful figure forgery identification program using gated recurrent unit. In AIP Conference Proceedings (Vol. 2405, No. 1). AIP Publishing.
 8. Chelliah, B. J., Arunkumar, S., Prabavathi, R., & Aarathi, B. (2021). A Robust Statistical CNNCTC-Based AI Model for Tracking and Monitoring COVID-19. In International Virtual Conference on Industry 4.0: Select Proceedings of IVC14. 0 2020 (pp. 291-300). Springer Singapore.

Submitted Proposals:

1. Submitted a Project proposal to DST: Science and Heritage Research Initiative (SHRI) titled on "DEVELOPMENT OF MOBILE USER INTERFACE FOR ANCIENT TAMILI TEXT RECOGNITION, CLASSIFICATION, AND TRANSLATION USING DEEP LEARNING APPROACH"
2. Submitted ICMR proposal titled on "COMPUTER-VISION BASED AI TECHNIQUE TO PREVENT BRAIN STROKE FOR DIABETIC PATIENTS AT EARLY STAGE" under the scheme "Call for Ad-hoc Research Proposals "Reproducible AI in Medicine and Health""
3. Submitted a Project proposal to TNSCST under the SCIENCE AND TECHNOLOGY PROJECT scheme on "CROSS-REGIONAL CROP YIELDING RECOMMENDATION SYSTEM WITHIN TAMILNADU USING IOT"
4. Submitted a Project Proposal to SEED under the scheme :Technology Interventions for Disabled and Elderly (TIDE) "An acoustic voice bot enabled transportation for elderly and visually Impaired using NLP and cloud for on-demand cabs"
5. Submitted a Project Proposal to DST: MATRICS Short-term special call on COVID-19 "A ROBUST STATISTICAL AI MODEL FOR TRACKING AND MONITORING COVID-19"

Patents:

1. Sign Language Conversion in Online Streaming Presentation for Hearing and Speech Impairment, 202341027374, Publication Date: 05/05/2023
2. The Design And Development Of A Horticulture Monitoring System, 202241008755- Publication Date: 04/03/2022
3. ACCIDENT DETECTION SYSTEM (ADS) USING G-FORCE, 202241028175- Publication Date:17/06/2022.
4. **Australian Patent Grant:** Staggered Short Transmission (SST) Protocol for routing during energy saving through WSN,2020103027- Publication Date: 9-12-2020

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<https://www.webofscience.com/wos/author/record/ABB-5671-2022>