

Sri SivaSubramaniya Nadar College of Engineering

Department of Computer Science & Engineering

Faculty Conference Publications (July 2022– March 2023)

1. Kanchana Rajaram, Arti Devi, Selvakumar S. (2022) PalmNet: A CNN Transfer Learning Approach for Recognition of Young Children Using Contactless Palmprints. In: Chen J.IZ., Wang H., Du KL., Suma V. (eds) Machine Learning and Autonomous Systems. Smart Innovation, Systems and Technologies, vol 269. pp 609-622 Springer, Singapore.
2. Rajaram, K., Selvi, K.P.N. (2023). CCC-Quality2: Cross-Cloud Service Composition Based on Quality of Clouds and Web Services for Business Applications. In: Kaiser, M.S., Xie, J., Rathore, V.S. (eds) Information and Communication Technology for Competitive Strategies (ICTCS 2021). Lecture Notes in Networks and Systems, vol 401. Springer, Singapore. https://doi.org/10.1007/978-981-19-0098-3_40
3. Rajaram, K., Sharma, P.K., Selvakumar, S. (2022). NRP-APP: Robust Seamless Data Capturing and Visualization System for Routine Immunization Sessions. In: Hemanth, D.J., Pelusi, D., Vuppalapati, C. (eds) Intelligent Data Communication Technologies and Internet of Things. Lecture Notes on Data Engineering and Communications Technologies, vol 101. Springer, Singapore. https://doi.org/10.1007/978-981-16-7610-9_56
4. Kalaivani Adaikkan, Thenmozhi Durairaj, “SSN_NLP_MLRG at SemEval-2022 Task 4: Ensemble Learning strategies to detect Patronizing and Condescending Language”, Vol, ACL Anthology: 2022.semeval-1, pp: 400-404, July 2022.
5. Diksha Krishnan, Jerin Mahibha C, Thenmozhi Durairaj, “GetSmartMSEC at SemEval-2022 Task 6: Sarcasm Detection using Contextual Word Embedding with Gaussian model for Irony Type Identification”, Vol, ACL Anthology: 2022.semeval-1, pp-827-833, July 2022.
6. Kalaivani Adaikkan, Thenmozhi Durairaj, “Multilingual Hate Speech and Offensive Language Detection in English Hindi and Marathi languages”, CEUR(Scopus indexed) proceedings, Volume 3159, pp: 92-103, July 2022.
7. Sai Shridhar Balamurali, Kayalvizhi S, Thenmozhi D, “Simple Transformers in Rhetoric Role Labelling for Legal Judgements”, CEUR(Scopus indexed) proceedings, Volume 3159, pp: 562-567, July 2022.
8. Kalaivani Adaikkan, Thenmozhi Durairaj, Aravindan Chandrabose, “TOLD: Tamil Offensive Language Detection in Code-Mixed Social Media Comments using MBERT with Features based Selection”, CEUR(Scopus indexed) proceedings, Volume 3159, pp: 667-679, July 2022.
9. C Jerin Mahibha, Sampath Kayalvizhi, Durairaj Thenmozhi, S Arunima, “Offensive Language Identification using Machine Learning and Deep Learning Techniques”, CEUR (Scopus indexed) proceedings, Volume 3159, pp: 705-713, July 2022.
10. Bharathi Raja Chakravarthi, Ruba Priyadharshini, Sajeetha Thavareesan, Dhivya Chinnappa, Durairaj Thenmozhi, Elizabeth Sherly, John P. McCrae, Adeep Hande, Rahul Ponnusamy, Shubhanker Banerjee, Charangan Vasantharajan, “Findings of the

- Sentiment Analysis of Dravidian Languages in Code-Mixed Text”, CEUR(Scopus indexed) proceedings, Volume 3159, pp: 872-886, July 2022.
11. Dhanasekaran Prasannakumaran, Jappeswaran Balasubramanian Sideshwar, Durairaj Thenmozhi, “ECMAG - Ensemble of CNN and Multi-Head Attention with Bi-GRU for Sentiment Analysis in Code-Mixed Data”, CEUR(Scopus indexed) proceedings, Volume 3159, pp: 967-975, July 2022.
 12. Adaikkan Kalaivani, Durairaj Thenmozhi. “Multilingual Sentiment Analysis in Tamil Malayalam and Kannada code-mixed social media posts using MBERT”, CEUR(Scopus indexed) proceedings, Volume 3159, pp: 1020-1028, July 2022.
 13. C Jerin Mahibha, Sampath Kayalvizhi, Durairaj Thenmozhi, “Sentiment Analysis using Cross Lingual Word Embedding Model”, CEUR(Scopus indexed) proceedings, Volume 3159, pp: 1094-1100, July 2022.
 14. Karthik Desingu, Anirudh Bhaskar, Mirunalini Palaniappan, Eeswara Anvesh Chodisetty, Haricharan Bharathi published a paper titled "Classification of Fungi Species: A Deep Learning Based Image Feature Extraction and Gradient Boosting Ensemble Approach" in the Proceedings of the Working Notes of CLEF 2022, pp-2047-2062
 15. Mirunalini Palaniappan, Karthik Desingu, Haricharan Bharathi, Eeswara Anvesh Chodisetty, Anirudh Bhaskar, published a paper titled "Deep Learning and Gradient Boosting Ensembles for Classification of Snake Species", in the proceedings of the Working Notes of CLEF 2022,pp - 2175-2188
 16. Karthikraja, A., Aarthi Suresh Kumar, B. Bharathi, Jayaraman Bhuvana, and T. T. Mirnalinee. "Abusive and Threatening Language Detection in Native Urdu Script Tweets Exploring Four Conventional Machine Learning Techniques and MLP." In Hate Speech and Offensive Content Detection (HASOC), CEUR, Vol.3159, pp. 806-812, Working Notes of FIRE 2021 - Forum for Information Retrieval Evaluation
 17. Anand, Anirudh, Jeet Golecha, B. Bharathi, Bhuvana Jayaraman, and T. T. Mirnalinee. "Machine Learning based hate speech identification for English and Indo-Aryan languages." In Hate Speech and Offensive Content Detection (HASOC), CEUR, Vol.3159, pp. 432-438, Working Notes of FIRE 2021 - Forum for Information Retrieval Evaluation.
 18. Jayaraman, Bhuvana, T. T. Mirnalinee, Karthik Raja Anandan, Aarthi Suresh Kumar, and Anirudh Anand. "Offensive text prediction using Machine Learning and Deep Learning approaches." In Hate Speech and Offensive Content Detection (HASOC), CEUR, Vol.3159, pp. 688-695, Working Notes of FIRE 2021 - Forum for Information Retrieval Evaluation
 19. Abhishek Kumar Gautam, B. Bharathi, “RNN’s VS TRANSFORMERS : Training language models on deficit datasets”, FIRE 2021: Forum for Information Retrieval Evaluation, December 13-17, 2021, Virtual event, CEUR workshop proceedings, Vol. 3159, pp. 737-743, URL: <http://ceur-ws.org/Vol-3159/T3-17.pdf>
 20. Anirudh Anand, Jeet Golecha, Bharathi B, Bhuvana Jayaraman, Mirnalinee T. T, “Machine Learning Based Hate Speech Identification for English and Indo-Aryan Languages”, FIRE 2021: Forum for Information Retrieval Evaluation, December 13-17, 2021, Virtual event, CEUR workshop proceedings, Vol. 3159, pp. 432-438, URL: <http://ceur-ws.org/Vol-3159/T1-42.pdf>

21. K A. Karthikraja , Aarthi Suresh Kumar, B. Bharathi, Jayaraman Bhuvana, T.T Mirnalinee, “Abusive and Threatening Language Detection in Native Urdu Script Tweets Exploring Four Conventional Machine Learning Techniques and MLP”, FIRE 2021: Forum for Information Retrieval Evaluation, December 13-17, 2021, Virtual event, CEUR workshop proceedings, Vol. 3159, pp. 806-812, URL: <http://ceur-ws.org/Vol-3159/T4-7.pdf>
22. Karthik Puranik, Bharathi B, Senthil Kumar B, “Transliterate or Translate? Sentiment Analysis of Code-Mixed Text in Dravidian Languages”, Urdu Script Tweets Exploring Four Conventional Machine Learning Techniques and MLP”, FIRE 2021: Forum for Information Retrieval Evaluation, December 13-17, 2021, Virtual event, CEUR workshop proceedings, Vol. 3159, pp. 939-949, URL:<http://ceur-ws.org/Vol-3159/T6-7.pdf>
23. B Bharathi, G U Samyuktha, “Machine Learning Based Approach for Sentiment Analysis on Multilingual Code Mixing Text”, FIRE 2021: Forum for Information Retrieval Evaluation, December 13-17, 2021, Virtual event, CEUR workshop proceedings, Vol. 3159, pp. 1038-1043, URL:<http://ceur-ws.org/Vol-3159/T6-18.pdf>
24. Rajalakshmi Sivanaiah, Angel Deborah S, Sakaya Milton Rajendram and Mirnalinee T T published a paper titled "TechSSN at SemEval-2022 Task 5: Multimedia Automatic Misogyny Identification using Deep Learning Models" , Proceedings of the 16th International Workshop on Semantic Evaluation (SemEval-2022), as a part of 2022 Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL 2022), Seattle, Washington, pages 571 - 574, July 14-15, 2022 © ACL 2022 Association for Computational Linguistics
25. Rajalakshmi Sivanaiah, Angel Deborah S, Sakaya Milton Rajendram and MirnalineeT T, Ramdhanush Venkatakrishnan published a paper titled "TechSSN at SemEval-2022 Task 6: Intended Sarcasm Detection using Transformer Models", Proceedings of the 16th International Workshop on Semantic Evaluation (SemEval-2022), as a part of 2022 Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL 2022), Seattle, Washington, pages 851 - 855, July 14-15, 2022 © ACL 2022 Association for Computational Linguistics
26. Karun Anantharaman, Divyasri K, Jayannthan PT, Angel Deborah S, Rajalakshmi Sivanaiah, Sakaya Milton Rajendram and Mirnalinee T T published a paper titled "SSN_MLRG1 at SemEval-2022 Task 10: Structured Sentiment Analysis using 2-layer BiLSTM", Proceedings of the 16th International Workshop on Semantic Evaluation (SemEval-2022), as a part of 2022 Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL 2022), Seattle, Washington, pages 1324 - 1328, July 14-15, 2022 © ACL 2022 Association for Computational Linguistics
27. Bhuvana J, Mirnalinee T T, Bharathi B, Jayasooryan S, Lokesh N N, “YOLOV5 for Stroke Detection and Classification in Table Tennis”, Proceedings of the MediaEval 2021 Workshop, Online, 13-15 December 2021, CEUR workshop proceedings, Vol. 3181, URL: [YOLOv5 for Stroke Detection and Classification in Table Tennis \(ceur-ws.org\)](http://ceur-ws.org), Available: August 2022
28. Kavitha, S., Mohanavalli, S., Bharathi, B., Rahul, C.H., Shailesh, S., Preethi, K. (2022). Classification of Indian Monument Architecture Styles Using Bi-Level Hybrid Learning Techniques. In: Suma, V., Baig, Z., Kolandapalayam Shanmugam, S.,

- Lorenz, P. (eds) Inventive Systems and Control. Lecture Notes in Networks and Systems, vol 436. Springer, Singapore. https://doi.org/10.1007/978-981-19-1012-8_32 (Available online: 02-08-2022)
29. Sushaanth Srinivasan, Sharvesh Shankar, Nitheesh Kumar N, Sabarivasan Velayutham, Thejas N, Vikash Anand N, Lekshmi Kalinathan, Prabavathy Balasundaram have published the paper titled "Automated Classification of Lung Tuberculosis Using 3D Deep Convolutional Neural Networks", in CEUR Workshop Proceedings, Vol. 3180, 2022, pp.1572-1579.
 30. Shreya Sriram, Madhuri Mahalingam, Sarah Aymen Naseer, Shajith Hameed, Rahul Rajagopalan, Sai Shashaank R, Lekshmi Kalinathan, Prabavathy Balasundaram have published the paper titled "Ensembled Approach for Web Search Result Diversification Using Neural Networks", in CEUR Workshop Proceedings, Vol. 3180, 2022, pp.1580-1589.
 31. Lekshmi Kalinathan, Prabavathy Balasundaram, Yogesh Munees E, Siddharth S, Shrijith Mr, Shrikeshavinee Ramachandran, Shruti Sriram, Ramdhanush Venkatakrishnan have published the paper titled "A Fusion Approach for Web Search Result Diversification using Machine Learning Algorithms" in CEUR Workshop Proceedings, Vol. 3180, 2022, pp. 1435-1442.
 32. Pravinkrishnan K, Naren Sivakumar, Ainsely Jebaraj, C Padma Pooja, Supraja Sridhar, Prabavathy Balasundaram, Lekshmi Kalinathan have published the paper titled "Classification of Plant Species Using AlexNet Architecture", in CEUR Workshop Proceedings, Vol. 3180, 2022, pp.2087-2093.
 33. K. Akilan, Anusha Chandrasekaran, Arunesh Kumar, S. B. Jashwaanath, A. Joshua, S. Rajalakshmi, and S. Angel Deborah, published a paper titled, "Customized Internet of Things-Based Bus Tracking and Management System", J. D. Peter et al. (eds.), Disruptive Technologies for Big Data and Cloud Applications, Lecture Notes in Electrical Engineering 905, pp - 601-611. https://doi.org/10.1007/978-981-19-2177-3_56
 34. Sheerin Sitara Noor Mohamed and Kavitha Srinivasan, "SSN MLRG at ImageCLEF medical Caption 2022: Medical Concept Detection and Caption Prediction using Transfer Learning and Transformer based Learning Approaches", CLEF 2022 – Conference and Labs of the Evaluation Forum, September 5–8, 2022, Bologna, Italy. <http://www.dei.unipd.it/~ferro/CLEF-WN-Drafts/CLEF2022/paper-113.pdf>
 35. Aarthi Nunna, Aravind Kannan Rathinasapabathi, Chirag Bheemaiah P K and Kavitha Srinivasan, "SSN CSE at ImageCLEFaware 2022: Contextual Job Search Feedback Score based on Photographic Profile using a Random Forest Regression Technique", CLEF 2022 – Conference and Labs of the Evaluation Forum, September 5–8, 2022, Bologna, Italy,. <http://www.dei.unipd.it/~ferro/CLEF-WN-Drafts/CLEF2022/paper-114.pdf>
 36. Dheepak S, Kavitha Srinivasan and Raghuraman G, "SSN MLRG at ImageCLEF 2022 Tuberculosis: Caverns Report using 3D CNN and Uniformizing Techniques", CLEF 2022 – Conference and Labs of the Evaluation Forum, September 5–8, 2022, Bologna, Italy. <http://www.dei.unipd.it/~ferro/CLEF-WN-Drafts/CLEF2022/paper-117.pdf>
 37. Lekshmi Kalinathan, Prabavathy Balasundaram, Yogesh Munees E, Siddharth S, Shrijith M.R, Shrikeshavinee Ramachandran, Shrithi Sriram, Ramdanush Venkatakrishnan, "A Fusion Approach for Web Search Result Diversification using

- Machine Learning Algorithms”, , In: CEUR Workshop Proceedings, CLEF 2021 Conference and Labs of the Evaluation Forum, September 5-8, 2022, Bologna, Italy, Vol. 3180, pp. 1435-1442.
38. Sushaanth. Srinivasan , Sharvesh. Shankar, Nitheesh Kumar. N , Sabarivasan. Velayutham , Thejas. N, Vikash Anand. N , Lekshmi. Kalinathan and Prabavathy. Balasundaram, “Automated Classification of Lung Tuberculosis Using 3D Deep Convolutional Neural Networks”, In: CEUR Workshop Proceedings, CLEF 2021 Conference and Labs of the Evaluation Forum, September 5-8, 2022, Bologna, Italy, Vol. 3180, pp. 1572-1579.
 39. Shreya Sriram, Madhuri Mahalingam, Sarah Aymen Naseer, Shajith Hameed, Rahul Rajagopalan, Sai Shashaank R, Lekshmi Kalinathan and Prabavathy Balasundaram, “Ensembled Approach for Web Search Result Diversification Using Neural Networks”, In: CEUR Workshop Proceedings, CLEF 2021 Conference and Labs of the Evaluation Forum, September 5-8, 2022, Bologna, Italy, Vol. 3180, pp. 1580-1589.
 40. Pravinkrishnan K, Naren Sivakumar, Ainsely Jebaraj, C Padma Pooja, Supraja Sridhar, Prabavathy Balasundaram and Lekshmi Kalinathan, “Classification of Plant Species Using AlexNet Architecture”, In: CEUR Workshop Proceedings, CLEF 2021 Conference and Labs of the Evaluation Forum, September 5-8, 2022, Bologna, Italy, Vol. 3180, pp. 2087-2093.
 41. Gersome Shimi1, Jerin Mahibha, and Durairaj Thenmozhi published a paper titled "Sexism Identification In Social Media Using Deep Learning Models" in CEUR (Scopus indexed) - Vol: 3202, pp: exists-paper10:1-7, Aug 2022.
 42. Karun, A., Divyasri, K., Balasundaram, P., & Sella Veluswami, J. R. (2022). Plant species identification using probability tree approach of deep learning models. Working Notes of CLEF.
 43. Srinath Srinivasan; S G Shivanirudh; Sujay Sathya; T T Mirnalinee, “Exploring Bayesian Uncertainty Modeling for Book Genre Classification”, 2022 IEEE International Conference on Industry 4.0, Artificial Intelligence, and Communications Technology (IAICT), 10.1109/IAICT55358.2022.9887417, BALI, Indonesia, IEEE, 16 September 2022, pg – 179-183
 44. Vasantha Raman, V. Sanjay Thiruvengadam, J. Santhosh, and Thenmozhi Durairaj published a paper titled "Real Time Captioning and Notes Making of Online Classes" in Springer IFIP AICT, Vol.654, pp.207-220, Oct 2022.
 45. Kayalvizhi Sampath and Thenmozhi Durairaj published a paper titled "Data Set Creation and Empirical Analysis for Detecting Signs of Depression from Social Media Postings" in Springer IFIP AICT, Vol.654, pp.136-151, Oct 2022
 46. Karthik Raja A, Anirudh A, Bhuvana J, Mirnalinee T. T presented a paper titled "A Novel Dataset for Fake News Detection in Tamil Regional Language" in International workshop on Fake News Detection in Low-Resource Languages(Regional-FAKE) on 24 November, part of Springer - SPELLL 2022 - 1st International Conference on Speech and Language Technologies for Low-resource Languages, during 23 – 25 November 2022
 47. S. Sriraman, S. S. Kannan, S. Ravishankar and B. Bharathi published a paper titled "An On-device Federated Learning System for SMS Spam Classification," 2022 IEEE MIT Undergraduate Research Technology Conference (URTC), Cambridge, MA, USA, 2022, pp. 1-5, doi: 10.1109/URTC56832.2022.10002231

48. Subalalitha Chinnaudayar Navaneethakrishnan, Bharathi Raja Chakravarthi, Kogilavani Shanmugavadivel, Malliga Subramanian, Prasanna Kumar Kumaresan, Bharathi, Lavanya Sambath Kumar, and Rahul Ponnusamy. 2023. Findings of shared task on Sentiment Analysis and Homophobia Detection of YouTube Comments in Code-Mixed Dravidian Languages. In Proceedings of the 14th Annual Meeting of the Forum for Information Retrieval Evaluation (FIRE '22). Association for Computing Machinery, New York, NY, USA, 18–21. <https://doi.org/10.1145/3574318.3574347>
49. Rajaram, K., Sharma, P., Selvakumar, S. (2023). DLoader: Migration of Data from SQL to NoSQL Databases. In: Kumar, A., Ghinea, G., Merugu, S., Hashimoto, T. (eds) Proceedings of the International Conference on Cognitive and Intelligent Computing. Cognitive Science and Technology. Springer, Singapore. https://doi.org/10.1007/978-981-19-2358-6_19