Shreela Dash, Ph.D.

Designation :Senior Assistant Professor

Department : Department of Computer Science and Engineering

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RESEARCH INTERESTS

- ✓ Information security
- ✓ Image Processing
- ✓ Cyber Security
- ✓ Machine Learning

Academic Qualifications

- ✓ Ph. D. (CSE), School of Computer Engineering, KIIT Deemed to be University, India
- ✓ M. Tech. (CSE), School of Computer Engineering, KIIT Deemed to be University, India
- ✓ B.E.(CSE),B.I.E.T, Bhadrak, F.M University, Balasore

Teaching Experience/Industrial Experience/Research Experience

- ✓ 19 years

PUBLICATIONS

JOURNAL ARTICLES & CONFERENCE PAPERS

1. **S.Dash**, D.K Behera, S, SWETANISHA , M.N Das , High Payload Image SteganographyUsing DNN Classification and Adaptive Difference Expansion. *Wireless Pers Commun* **134**, 1349–1366 (2024). https://doi.org/10.1007/s11277-024-10944-4

2. Mamatarani Das, Mrutyunjaya Panda, **Shreela Dash**, "Enhancing the Power of CNN Using Data Augmentation Techniques for Odia Handwritten Character Recognition", Advances in Multimedia, vol. 2022, Article ID 6180701, 13 pages, 2022. https://doi.org/10.1155/2022/6180701.

3. S, SWETANISHA, A.R. PANDA, D.K. Behera and **S. DASH**, Monitoring land use and land cover change using ensemble machine learning classifiers. *Journal of Theoretical and Applied Information Technology*, *100*(18), 2022.

4. S. Gupta, S. Mohanty, D. K. Behera ***and S. Dash,*** *"Machine Learning BasedCrop Classification with Sentinel-1 Data," 2022 International Conference on Advancements in Smart, Secure and Intelligent Computing (ASSIC), Bhubaneswar, India, 2022, pp. 1-6, doi: 10.1109/ASSIC55218.2022.10088297.*

5. D. K. Behera, **S. Dash**, A. K. Behera and C. S. K. Dash, "Extreme Gradient Boosting and Soft Voting Ensemble Classifier for DiabetesPrediction," *2021 19th OITS International Conference on Information Technology (OCIT)*, 2021, pp. 191-195, doi: 10.1109/OCIT53463.2021.00046.

6. **S.Dash**, M.N Das, D.K Behera, ”An Improved dual steganography model using multi-pass encryption and Quotient value differencing”, *International Journal of Intelligent Engineering and Systems*, Volume 14, No. 2, 2021

7. **S. Dash**, M.N. Das, D.K Behera,” Adaptive difference expansion image steganography for increasing capacity” **ICIC express Letters**, Volume 15, No.7, 2021

8. D. K. Behera, M. Das, **S. Dash**, S. Swetanisha: "Weighted Hybrid Model for Product Recommender System using RBM and Matrix Factorization", *International Journal of Advanced Science and Technology*, Vol. 29, Issue 4, pp. 4485-4493, 2020.

9. **S. Dash**, Madhabananda Das, D. K Behera, "High-Capacity Multi-level Image Steganography Model Using KNN Classifier", *International Journal of Advanced Science and Technology*, vol. 29, no. 3, pp. 11692 - 11708, Mar. 2020

10. S. Mishra, C. Mahanty, **S. Dash** , B.K. Mishra , Implementation of BFS-NB Hybrid Model in Intrusion Detection System, Advances in Intelligent Systems and Computing, vol 740. Springer, Singapore. https://doi.org/10.1007/978-981-13-1280-9_17, (2019).

11. **S.Dash**,M.N Das, Mamatarani das” Implementation of Chaotic Based Hybrid Method to Provide Double Layer Protection” ICCAN 2017,

Advances in intelligent systems and computing,(AISC Vol. 710),pp 349-358,Springer,Singapore.

12. **S.Dash**, M.N Das, Mamatarani das " Secure Image Transmission Through Region Based Steganography Using Chaotic Encrytion" ICCIDM 2017, Advances in intelligent systems and computing,VSSUT, Burla.

13. **S.Dash**,M.N Das, B.K. Mishra "Implementation of an optimized classification model for prediction of hypothyroid disease risk" , *2016 International Conference on Inventive Computation Technologies (ICICT)*, 2016, pp. 1-4, doi: 10.1109/INVENTIVE.2016.7824794.

14. **S.Dash**. Mamatarani Das, Kartik Chandra Jena,"Region Based Data Hiding For High Payload". *International Journal of Computer Science and Information Technologies*. 2015;6(1):913-9.

15. P. Pattnaikand **S.Dash**, A study on prosody analysis, International Journal Of Computational Engineering Research, 2012 ,2(5), pp.1594-1599.

ANY OTHER

BOOK CHAPTER

1. M. Das, M. Panda, S. Dash, 4 A Comparative Analysis of Machine Learning Classifier for Odia character Recognition, Machine Learning Applications,2020

PATENT

1. Patent Title : Digital Authentication using big data and Cloud Computing
   Patentee Names: Puja Shrivastava , Devpriya Panda, Sharmistha Puhan , Sasmita Parida , **Shreela Dash**, Sabita Rani Behera
   Patent Application Number: 202241042418
   Date of Publication: 29/07/2022
2. Patent Title : Real time Crop Recommandation Framework based on Soil Quality and Environmental Condition Using Machine Learning Model
   Patentee Names: Mamata Garanayak, **Shreela Dash**, Suvendu Kumar Nayak, Dayal Kumar Behera, Raj Kumar Mohanta, Sunil Kumar Mohapatra, Subhra Swetanisha
   Patent Application Number: 202231056814

Date of Publication: 21/10/2022

3. Patent Title : I-Vision based human-robot Interaction and navigation System

   Patentee Names: Dr.Dayal Kumar Behera, Dr.Subhra Swetanisha **Dr.Shreela Dash**, Dr. Asif Uddin Khan

   Patent Application Number: 202331008501

   Date of Publication: 09/02/2023