# Shreela Dash, Ph.D.

**Designation** : Assistant Professor

**Department** : Department of Computer Science and Engineering

(JOINED THE INSTITUTE IN 2022)

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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

- ✓ 17 years

## PUBLICATIONS

### JOURNAL& CONFERENCES

1. 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.

2. 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.

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

4. **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

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

6. 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.

7. **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

8. S. Mishra, C. Mahanty**, S. Dash**, B.K. Mishra, Implémentation 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).

9. **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.

10. **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.

11. **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.

12. **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.

13. **S.Dash**, M.R Das, N.Dash "A new approach for region based edge adaptive data hiding" IJSER, Vol-5, Issue-3, May-2014.

14. P. Pattnaik and **S.Dash**, 2012. A study on prosody analysis. *International Journal Of Computational Engineering Research*, *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