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EDUCATION QUALIFICATIONS

- Doctorate of Philosophy (PhD) in Computer Engineering from NIT Kurukshetra, Haryana. Year of Award: 2018.
 - ✓ **Thesis Title:** - TripletDS: A Prototype of a Dataspace System based on Triple Data Model
 - ✓ **Area of Research:** Dataspace System: A Pay-As-You-Go Data Integration System.
- M. Tech in Computer Science and Engineering from NIT, Hamirpur (HP). Year of awarded: 2009.
 - ✓ **Thesis Title:** - A Tree Based Routing Protocol for Mobile Sensor Networks (MSNs)
 - ✓ **Area of Research:** Mobile Sensor Network
- B. Tech in Computer Science and Engineering from UPTU Lucknow. Year of awarded: 2007.

WORKING EXPERIENCE

- Working as an Assistant Professor in Indian Institute of Information Technology Una, Saloh, Una since April 26, 2022 to till date.
- Worked as an Assistant Professor in Jaypee University of Information Technology, Wahnaghat, Solan from December 7, 2019 to April 25, 2022.
- Worked as an Assistant Professor in Bundelkhand Institute of Engineering and Technology, Jhansi under TEQIP-III project funded by World Bank from September 1, 2018 to December 6, 2019.
- Worked as an Assistant Professor in Baba Gulam Shah Badshah University, Rajouri (J&K) under TEQIP-III project funded by World Bank from January 2018 to August 2018.
- Worked as an Assistant Professor in SRM Institute of Science and Technology, NCR Campus, Modinagar (Ghaziabad) from July 2013 to December 2017.
- Worked as an Assistant Professor in SRM University, NCR Campus, Modinagar (Ghaziabad) from July 2009 to July 2010.

RESEARCH AREA

- Dataspace System
- Pay-As-You-Go Data Integration
- Machine Learning
- Natural Language Processing

➤ **Journal Publications**

1. **Mrityunjay Singh**, Amit Kumar Jakhar, and Shivam Pandey. "Sentiment analysis on the impact of coronavirus in social life using the BERT model." *Social Network Analysis and Mining* 11.1 (2021): 1-11.
2. Amit Kumar, **Mrityunjay Singh**, and Anjani Shukla, "Dog Breed classification using Convolution Neural Network," *International Journal of Swarm Intelligence*, 2021 Vol.6 No.2, pp.130 - 142, DOI: 10.1504/IJSI.2021.10040390.
3. **Mrityunjay Singh**, Niranjana Lal and Shashank Yadav, "Rule-Based Wrappers for a Dataspace System," *International Journal of Innovative Technology and Exploring Engineering(TM)*, vol. 8 issue 6c (2019) pp. 80-90, ISSN No.: 2278-3075.
4. **Mrityunjay Singh** and S.K. Jain, "TripletDS: a prototype of dataspace system based on triple data model" *International Journal of Computational Systems Engineering*, vol 3 No 3 (2017) pp. 144-156, ISSN No.: 2046-3405.
5. **Mrityunjay Singh** and S.K. Jain, "Transformation Rules for Decomposing Heterogeneous Data into Triples," *Journal of King Saud University – Computer and Information Sciences* 27 (2015), pp. 181-192 DOI information: 10.1016/j.jksuci.2014.03.017, ISSN: 1319-1578.
6. S. Quamar, **Mrityunjay Singh**, and Niranjana Lal "Internet Ware Cloud Computing: Challenges", *International Journal of Computer Science and Information Security (IJCSIS)*, Vol. 7, No. 3, March 2010, pp. 206-210, ISSN:1947-5500.
7. **Mrityunjay Singh**, Monika Sethi, Niranjana Lal, and Saroj Poonia, "A Tree Based Routing Protocol for Mobile Sensor Networks (MSNs)," *International Journal on Computer Science and Engineering*, Vol. 02, No. 01S, 2010, pp. 55-60, ISSN: 0975-3397.

➤ **Conference Publication**

1. Arshdeep Singh, Mohak Goel and **Mrityunjay Singh**. "Breast cancer classification by random forest classifier with feature decomposition using principal component analysis" in the Proceeding of the International Conference on Data and Information Sciences (ICDIS 2021), May 14-15, 2021, Agra, published in Springer Book Series "Lecture Notes in Networks and Systems (LNNS)", ISBN: 2367-3370.
2. Aditya Sharma, Arshdeep Singh Chudhey and **Mrityunjay Singh**. "Heart disease prediction using various machine learning algorithms" in the proceeding of the International Conference on Recent Trends in Computing (ICRTC 2021), June 4-5, 2021, Ghaziabad published in Springer Book Series "Lecture Notes in Networks and Systems (LNNS)".
3. Aditya Sharma, Arshdeep Singh Chudhey, and **Mrityunjay Singh**. "Divorce case prediction using Machine learning algorithms." *2021 International Conference on Artificial Intelligence and Smart Systems (ICAIS)*. IEEE, March 25-27, 2021, ISBN 9781728195384.

4. Niranjana Lal, **Mrityunjay Singh**, Shivam Pandey, and Anil Solanki. "A Proposed Ranked Clustering Approach for Unstructured Data from Dataspace using VSM." In 2020 20th *International Conference on Computational Science and Its Applications (ICCSA)*, pp. 80-86. IEEE, 2020, ISBN: 978-3-030-58817-5.
5. Shivam Pandey, **Mrityunjay Singh**, and A K Shukla, "Multilayer Perceptron Using TFIDF for News Category Classification," *Proceedings of International Conference on Engineering, Mathematical and Computational Intelligence (FAI 2020)*, Vol 2, pp. 182-193, December 21-23, 2019.
6. **Mrityunjay Singh**, Piyush Gupta, and Ankur Kumar Singhal. "Agreement Protocols for a Dataspace System." In 2015 *2nd International Conference on Computing for Sustainable Global Development (INDIACom)*, pp. 1392-1396. IEEE, 2015. ISBN: 9789380544151.
7. **Mrityunjay Singh**, S K Jain, and V K Panchal "An Architecture of DSP Tool for publishing the Heterogeneous data in Dataspace," *IEEE International Conference on Information Technology (ICIT 2014)*, pp. 209-214, 2014, Bhubaneswar, India, ISBN 978-1-4799-8084-0.
8. **Mrityunjay Singh**, S K Jain, and V K Panchal "Modeling Semantic Heterogeneity of Data in Dataspace Systems: A Machine Learning Approach," *International Conference on Information Technology (ICIT 2014)*, pp. 275-280, 2014 Bhubaneswar, India, ISBN 978-1-4799-8084-0.
9. **Mrityunjay Singh**, "A Framework for Data Modeling and Querying the Dataspace Systems," In proceeding of Seventh International Conference on Data Mining and Warehousing (ICDMW-2013(Elsevier)), pp. 17-25, August 9th to 11th, 2013, Bangalore, INDIA, DOI:03.elsevierst.2013.2.ICDMW3.
10. **Mrityunjay Singh** and S.K. Jain, "A Survey on Dataspace" in proceeding of The Fourth International Conference on Network Security & Applications (CNSA-2011) 2011, CCIS 196, pp. 608-621, 2011 © Springer-Verlag Berlin Heidelberg 2011, ISBN 978-3-642-22539-0.
11. Monika Sethi, Saroj Poonia, Mrityunjay Singh, and Kamlesh Dutta, "A Survey on hierarchical routing protocols for wireless sensor network," *IEEE international advanced computing conference (IACC'09)*, pp. 1528-1533.
12. Saroj Poonia, Monika Sethi, Mrityunjay Singh, and Kamlesh Dutta, "A Survey on multicasting routing protocol for WSN," 3rd international conference on intelligent systems and networks (IISN-2009), pp. 45-50.

➤ Book Chapters

1. Aditya Sharma, Arshdeep Singh Chudey, and **Mrityunjay Singh**. "COVID-19 Detection Using Chest X-Ray and Transfer Learning." *Handbook of Research on Machine Learning Techniques for Pattern Recognition and Information Security*. IGI Global, 2021. 171-186.

LIST OF EXPERT LECTURE DELIVERED/WORKSHOP COORDINATED/ORGANIZED

1. Delivered an invited talk on "Machine learning in healthcare" in the STC Recent Trends in Computer Science and Engineering organized by the Department of Computer Science and Engineering, Bundelkhand Institute of Engineering and Technology, Jhansi on February 24th, 2021.

2. Proctor Coordinator in Joint Online Faculty Development Programme on “ICT tools for Teaching, Learning Process and Institute” Organized by E&ICT Academy, NIT Patna from August 10-21, 2020.
3. Organized Two days’ workshop on “Data Analytics and Machine Learning using python” in Bundelkhand Institute of Engineering and Technology, Jhansi on February 27-28, 2018.
4. Organized an expert lecture on “Advance Computational Intelligence” in Bundelkhand Institute of Engineering and Technology, Jhansi on October 2018.
5. Delivered the expert lecture on “Intelligence Printing Technology” in Somany (P.G.) Institute of Technology & Management, Rewari (Haryana) on March 28, 2015.
6. Coordinated a “Two Days National workshop on Network Simulator (NS-2)” in SRM University-NCR Campus, Modinagar, Ghaziabad from December 29-30, 2014.

OTHER ACHIEVEMENTS

- Acting as a reviewer in various reputed Journals and Conferences
- Chaired sessions in various reputed Conferences
- Qualified GATE-2006, GATE-2007, and UGC NET-2017
- The **Best Paper Award** in Seventh International Conference on Data Mining and Warehousing (ICDMW-2013) for the paper entitled “A Framework for Data Modeling and Querying the Dataspace Systems”.