


Name of Teaching Staff	Kriti Srivastava	
Designation	Assistant Professor	
Department	Computer Science and Engineering (Data Science)	
Date of Joining the Institution	02.07.2007	
Professional Membership	IETE, Society of Data Science	
	ORCID id: 0000-0001-9849-8908 Web of Science Researcher ID : AAF-8252-2019 https://www.linkedin.com/in/kriti-srivastava-a92b2823/ https://www.scopus.com/authid/detail.uri?authorId=55763790564 https://scholar.google.com/citations?hl=en&user=ZlcisUQAAAAJ	
Area of Interest	Artificial Intelligence, Data Science, Big Data Computing	
Qualifications:	<ol style="list-style-type: none"> 1. Ph.D. (Computer Engineering), Mumbai University 2021. 2. M Tech. (Computer Engineering), NMIMS University, 2008. 3. B.E. (Computer Science and Engineering.), Dehradun Institute of Technology, 2002. 	
Total Experience in Years: More than 20 years Teaching:	<ul style="list-style-type: none"> • Assistant Professor, D. J. Sanghvi College of Engineering, Mumbai, from 02.07.2008 to till date • Lecturer, D. J. Sanghvi College of Engineering, Mumbai, 01.01.2006 to 30.6.2008 • Lecturer, Lokmanya Tilak College, Navi Mumbai, 01.08.2005 to 31. 12. 2005 • Lecture, M. M. M. Engineering College, Gorakhpur, 03. 08. 2002 to 31.03. 2005 	
Courses Taught:	<ul style="list-style-type: none"> • Foundations of Data Analysis (UG) • Data Science (PG) • Artificial Intelligence and Soft Computing (UG) • Machine Learning (UG & PG) • Advance Operating System (UG & PG) • Cloud Computing (UG) • Big Data Analytics (UG) • Data Mining (UG) • Operating System (UG) 	
Projects Guided:	<ul style="list-style-type: none"> • B.E. Project: 76 • M.E. Project: 01 	

Academic Duties:

- In-charge Head of the Department of Computer Science and Engineering (Data Science)
- Placement Coordinator for Computer Department till 2021
- Member of Admission Committee till 2020
- NIRF Nodal Officer of the College

Interaction with Professional Institutions:

- SAS
- IBM

Workshop, lecture series & Conferences Conducted:

- Conducted Lecture and Practical sessions in STTP on “Practical Insights to Cloud Computing” from 4th Jan 2016 to 9th Jan 2016 in D. J. Sanghvi College of Engineering.

Publication & Conferences: (Till Date)

Patent:

Patent Number: 2021103018

Type of Patent: Innovation patent granted by Australian Government (IP Australia)

Title of the Invention: A System and A Method for Need Based Access Control Framework for Emergency Response System

Term of Patent: Eight years from 1st June 2021.

Papers presented in International Journal: 17

1. Autee P, Bagwe S, Shah V, Srivastava K. StackNet-DenVIS: a multi-layer perceptron stacked ensembling approach for COVID-19 detection using X-ray images. Phys Eng Sci Med. 2020 Dec;43(4):1399-1414. doi: 10.1007/s13246-020-00952-6. Epub 2020 Dec 4. PMID: 33275187; PMCID: PMC7715648.S. Singh and K. Srivastava, ASM: Adaptive Sequential Modelling Based Recommendation System, VB International Interdisciplinary Research Journal, Special Issue on Recent Research Trends in Management, Science and Technology (August 2021), ISSN: 2319-4979, pp: 212-218.
2. Akash Shah, Romil Shah, Manan Gandhi, Rashmil Panchani, Govind Thakur and Kriti Srivastava, Analysis of Effectiveness of Non-Vaccine Countermeasures Taken by Indian Government against Covid-19 and Forecasting using Machine Learning and Deep Learning, Design of Intelligent Applications using Machine Learning and Deep Learning Techniques, CRC Press Taylor and Francis, August 2021, ISBN: 9780367679798
3. Kriti Srivastava, Dr. Narendra Shekokar and Pratik Aher, NdRAdAC: Need based Access Control Framework for an Emergency Response System, Turkish Journal of Computer and Mathematics Education, Volume 12, Issue 5, April 2021, DOI: <https://doi.org/10.17762/turcomat.v12i5.2037>
4. Sonam Singh and Kriti Srivastava, “Comparative Study of Machine Learning Algorithms for Recommender System,” Journal of University of Shanghai for Science and Technology, Vol 22, Issue 12, 2020 DOI: 10.51201/12495
5. Kriti Srivastava and Dr. Narendra Shekokar, Design of Machine Learning and Rule Based Access Control System with Respect to Adaptability and Genuineness of the Requester, EAI endorsed Transactions on Pervasive Health and Technology, Volume 6, Issue 23, September 2020, DOI: <http://dx.doi.org/10.4108/eai.24-9-2020.166359>
6. Viral Tagdiwaala, Muhammad Umair Siddiqui, Maithili Bhuta, Juhi Shah and Kriti

Srivastava, Air Quality Measure using Computer Vision and CCTV footage of Road Traffic, International Journal of Recent Technology and Engineering (IJRTE), Volume 8, Issue 6, March 2020, DOI: <http://www.ijrte.org/download/volume-8-issue-6/>

7. Srivastava K., Shekokar N. (2020) Machine Learning Based Risk-Adaptive Access Control System to Identify Genuineness of the Requester. In: Gunjan V., Zurada J., Raman B., Gangadharan G. (eds) Modern Approaches in Machine Learning and Cognitive Science: A Walkthrough. Studies in Computational Intelligence, vol 885. Springer, Cham. https://doi.org/10.1007/978-3-030-38445-6_10
8. S. Singh and K. Srivastava, "Comparative Study of Machine Learning Algorithms for Recommendation System", Journal of University of Shanghai for Science and Technology, Vol 22, Issue 12, 2020, ISSN: 1007-6735, DOI: 10.51201/12495
9. Kashyap Bhuvra and Kriti Srivastava, "Comparative Study of Machine Learning Techniques for Predicting Employee Attrition", IJRAR Volume 5 issue 3, august 2018, ISSN: 2349-5138.
10. Het Sheth, Meet Chedda, Siddhant Gada, Ashwini Swain and Kriti Srivastava, "Triple- Technique Diagnosis Using Machine Learned Classifier," International Journal for Science and Research, Vol 6, Issue- 10, October 2017, pp 234-238.
11. Kriti Srivastava, Khushali Shah, Priyal Shah and Dr. Narendra Shekokar, " Dynamic Access Control in a Document Data Store," International Journal in Advance Research in Computer Science and Software Engineering (IJARCSSE), Vol 7, Issue 5, May 2017, ISSN: 2277 128X, pp: 518-522
12. Arushi Shah, Nidhi Kapadia, Ashwinee Mehta and Kriti Srivastava , International Journal of Computer Science and Information Technology, "Vo-6(6), 2015, ISSN: 0975-9646.
13. Neha Mendjoge, Kriti Srivastava, Siddhesh Owalkar, Soham Patel and Advait Marathe, "Introduction to Online Advertisement and its Business Process," International Journal of Business and General Management, Vol -4, Issue - 6, oct-nov 2015, ISSN: 2319-2267
14. Shreya Kamani, Neel Vasa and Kriti Srivastava, "Virtual Trial Room Using Augumented Reality", IJACT, Vol 3, 2014, number 6, ISSN: 2319-7900
15. Navin Kankhate and Kriti Srivastava, "Intelligent Marketing Analysis", International Journal of Innovation and Trends in Computing and Communication, vol 2, issue 11, nov 2014
16. Saurabh Merai, Neha Mendjoge, Kriti Srivastava and Vinaya Sawant, "Teradata: Future of Database", International Journal of Science and Technology, ISSN 2321-919X, 2014, Vol 2 Issue 11, pp: 86-89.
17. Kriti Srivastava, R. Shah, D. Valia and H. Swaminarayan, " Data Mining using Hierarchal Agglomerative Clustering Algorithm in Distributed Cloud Computing Environment," IJCTE , Vol 5, No 3, June 2013, pp520-523.
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Papers presented in International Conference: 21

19. B. Arunadevi, D. Saravanan, K. Villalaba-Condori, K. Srivastava, M. K. Chakravarthi and R. Rajan, "Orthographic Comparison Revealed by Ambient Sentiment Classification," 2021 5th International Conference on Electronics, Communication and Aerospace Technology (ICECA), 2021, pp. 834-838, doi: 10.1109/ICECA52323.2021.9675995.
20. R. Rajeswari, H. Raja, K. Srivastava, G. S. Sajja, M. K. Chakravarthi and R. Rajan, "Technologies for Systematic Procedure Generation of Enhanced Wound Care Devices Through Discriminative Intelligence," 2021 5th International Conference on Electronics, Communication and Aerospace Technology (ICECA), 2021, pp. 839-844, doi: 10.1109/ICECA52323.2021.9675886.
21. Aayush Halgekar, Aryan Chouhan, Ishaan Khetan, Nemil Shah, Jay Bhatia and Kriti

- Srivastava, "Internet of Behavior (IoB): A Survey," 5th International Conference on Information Systems and Computer Networks (ISCON-2021), IEEE, 22nd- 23rd October 2021, Mathura, Uttar Pradesh.
22. R. Kadakia, P. Kalkotwar, P. Jhaveri, R. Patanwadia and K. Srivastava, "Comparative Analysis of Micro Expression Recognition using Deep Learning and Transfer Learning," 2021 2nd Global Conference for Advancement in Technology (GCAT), 2021, pp. 1-7, doi: 10.1109/GCAT52182.2021.9587731.
 23. N. Parekh, B. Dave, R. Shah and K. Srivastava, "Automatic Sleep Stage Scoring on Raw Single-Channel EEG : A comparative analysis of CNN Architectures," 2021 Fourth International Conference on Electrical, Computer and Communication Technologies (ICECCT), 2021, pp. 1-8, doi: 10.1109/ICECCT52121.2021.9616895.
 24. S. Sanghavi, P. Vaid, P. Rathod and K. Srivastava, "SpectroTemporalNet: Automated Sleep Stage Scoring with Stacked Generalization," 2021 Second International Conference on Electronics and Sustainable Communication Systems (ICESC), 2021, pp. 1256-1263, doi: 10.1109/ICESC51422.2021.9532640.
 25. Samip Kalyani, Sanjay Naik and Kriti Srivastava, Exploradar: User Centric Intelligent Document Retrieval System, BioScience, Bio Technology Research Communication, Volume 13, Issue 14, November 2020, DOI: <https://bbrc.in/wp-content/uploads/2021/01/Volune-13-No-14-Special-Issue-2020-Combined.pdf>
 26. Manav Shah, Rohit Singh, Nimit Haria, Krish Fadia and Kriti Srivastava, Slouch detection using OpenPose Architecture, BioScience, Bio Technology Research Communication, Volume 13, Issue 14, November 2020, DOI: <https://bbrc.in/wp-content/uploads/2021/01/Volune-13-No-14-Special-Issue-2020-Combined.pdf>
 27. Kishan Trivedi, Sambhav Shah and Kriti Srivastava, An Efficient E-Commerce Design by Implementing a Novel Data Mapper for Polyglot Persistence, 2nd International Conference on Advanced Computing Technology and Applications, Springer, 28th -29th February 2020.
 28. Aditya Sariwaala, Kishan and Kriti Srivastava, Intrusion Detection System against Malign Packets- A Comparative Study between Autoencoder and Ensemble Model, 2nd International Conference on Advanced Computing Technology and Applications, Springer, 28th -29th February 2020.
 29. Manan Oza, Himanshu Vagelah and Kriti Srivastava, "Progressive Generative Adversarial Binary Networks for Music Generation," International Conference on Innovative Computing and Communication, Ostarava, Chez Republic, 21st- 22nd March 2019.
 30. Kriti Srivastava and Dipam Vasani, "Comparative Study of Ensemble Model and Autoencoder in case of Class Imbalance and Concept Drift", ICECEIC-2019, CFP19R88-PRJ:978-1-7281-0173-6
 31. Subhash Nadkarni, Akshen Kadakiya and Kriti Srivastava, "Providing Scalability to Data Layer Using A Novel Polyglot Persistence Approach," ICCUBA 2018, Pune, India, August 16th-17th.
 32. Kriti Srivastava, Pratik Aher, Dr. Narendra Shekokar, "Fuzzy Inference to Rule-Based Risk Calculation for Risk Adaptive Access Control System", INDIACom 2018, March 15th -18th.
 33. Pratik Kanani, Kriti Srivastava, Janan Gandhi, Disha Parekh and Meet Mehta, "Obfuscation: Code of Maze", 2nd International Conference on Communication System, Computing and IT Applications, IEEE, Mumbai, 7th – 8th April 2017, pp 11-16
 34. Chintan Shah, Kriti Srivastava and Dr. Narendra Shekokar, "A Novel Polyglot Data Mapper for an E Commerce Business Model," IC3e 2016, Malaysia, 10-12th Oct 2016, pp 40-41.
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 36. Manika Mittal, Ronak Sanghani and Kriti Srivastava, "Testing Data Integrity in

- Distributed System,” ICACTA 2015, Elsevier Science Direct 45(2015), 446-452
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 38. Hrishil Shah, Nikhil Jukar, Karan Godsawar, Kriti Srivastava, “User Friendly Synthesizer Software”, “ICMT2011, International Conference on Multimedia Technology”, July 26-28, 2011, pages 6651-6654.
 39. Kriti Srivastava and Seema Shah, “A Block Level Write Tracking Technique to Improve Performance in SDSM Systems”, “3CI- International Conference , Bangalore” Nov 21-23, 2008.

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40. Kriti Srivastava, Harshal Dalvi and Prachi Dalvi, “High Performance Analysis in Big Data”, Thinkquest , National Conference on Technology and Management, 2013.
41. Kriti Srivastava and Seema Shah, “Improving performance of Scalable DSM System using Adaptive Consistency and Coherency Scheme”, NCICT 08.
42. Kriti Srivastava, Seema Shah and Sunita Mahajan, “Comparative Study of Memory Consistency Model in Prevalent Software DSM System”, ENVISION 2007.
43. Kriti Srivastava, “High Performance in Bus Based Shared Memory System”NCICT 07”, march 1-3, 2007.

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1. Deevangee Chudasama, Krunal Darji, Helie Sheth, Kriti Srivastava, “Cloud Computing Application”, “Technofocus, Journal for budding engineer”, vol 2, Issue1, Oct 2011.
2. Chintan Vora, Mit Mehta, Kovit Nisar & Kriti Srivastava “Comparative Study of Various
3. Cloud Computing Platforms”, “Technofocus, Journal for Budding Engineers”,
4. Volume 1, Issue 2, March 2011.

