

Name of Teaching Staff	Poonam S. Jadhav	
Designation	Assistant Professor	
Department	Computer Science and Engineering (Data Science)	
Date of Joining the Institution	08.09.2023	
Professional Membership	ISTE LM51600	
	ORCIDid:0000-0002-9727-1768 Scopus id :56763745600 Web of Science Researcher ID:JMB-3858-2023 Google Scholar id : 8z1_VVcAAAAJ Linkedin profile: https://www.linkedin.com/in/poonam-jadhav-42372b48/	
Area of Interest	Data Science, BigData Privacy and Security, Computer Vision	
Qualifications:		
1. Ph.D (Computer Engineering), D.Y.Patil Deemed to be University. 2. ME.(IT),University of Mumbai,2015. 3. B.E.(Computer Engineering.),University of Mumbai,2004.		
Total Experience in Years: 19 Years		
• Assistant Professor, D. J. Sanghvi College of Engineering, Mumbai, from 08.09.2023 to till date. • Assistant Professor, SIES Graduate School of Technology, Navi Mumbai, from 01.12.2021 to 06.09.2023. • Lecturer, Dr. D. Y. Patil Polytechnic, Navi Mumbai, from 25.06.2012 to 13.09.2021. • Lecturer, Atharva College of Engineering, Malad, Mumbai, from 25.01.2010 to 24.12.2010. • Lecturer, SSPM's College of Engineering, Kankavali, Sindhudurg, from 01.07.2005 to 01.10.2009.(UGC Approved)		

Courses Taught:

- Computer Vision
- Social Media Analytics
- Database Management System
- Advanced Statistics
- Computer Graphics
- Java Programming
- Linux & Networking Server Configuration
- Python Programming
- Mobile Computing
- Software Engineering
- Information Security
- C and C++ Programming
- Robotics
- Numerical Techniques
- Operating System

Work shop Attended			
Sr. No.	Title of Course	Learning Platform	Course Duration
1	Workshop of Grid Computing and Cloud Computing	SQUAMISM Technologies	02 days
2	Strategic Issues in IPR and Innovation	TEQIP III Sponsored	01 week
3	CyberRisk-Security	AICTE-ISTE Sponsored	01 week
FDP			
4	Machine Learning Using Python	Sihagad Technical Education Society	01 Week
5	Improving Teaching Learning Experience Using Best Practices	DJSanghvi Coe	01 Week
6	Python	IIT Spoken Tutorial	01Week
7	R Programming	IIT Spoken Tutorial	01Week
8	Research Methodology	Sandip University	01 Week
9	Emerging Trends in Industry 4.0	Rajashri Shahu Coe	02 Weeks
10	Security and Privacy	AICTE Training& Learning Academy	01 Week
11	BigData Security &Analytics	AICTE Training& Learning Academy	01 Week
12	Data Science &Use of Visualization Tools	Indian Society for Technical Education(ISTE)	01 Week
STTP			
13	IOT and its Applications	AICTE Sponsored QIP at IIT Varanasi	01 week
14	Recent Trends In Deep Learning	TEQIP-III	01 week

15	Recent Trends and Applications in Machine Learning and Deep Learning In IT	Ramrao Adik Institute of Technology	01 week
WEBINARS			
Sr. No.	Title of Course	National or International?	Learning Platform/Institute
16	Recent Trends in Automated Robots	National	KJ Somaiya Coe
17	Internet Of Things	National	KJ Somaiya Coe
18	Cyber Security	National	KJ Somaiya Coe
19	Artificial Intelligence	National	KJ Somaiya Coe
20	Augmented Reality	National	KJ Somaiya Coe
21	Startup Life cycle and Patent Registration	National	Atharva College Of Engineering

International Courses				
Sr. No.	Title of Course	National or International?	Learning Platform	Course Duration
22	Machine Learning For All	International	Coursera	04 weeks
23	How to Write and Publish a Scientific Paper(Project-Centered Course)	International	Coursera	04 Weeks
24	Being A Researcher(In information science and technology)	International	Coursera	06 Weeks
25	Understanding Research Methods	International	Coursera	04 Weeks
26	Data Privacy Fundamentals	International	Coursera	04 Weeks
27	Introduction toTensor Flow for Artificial Intelligence, Machine Learning, and Deep Learning	International	Coursera	04 Weeks
28	Neural Networks and Deep Learning	International	Coursera	04 Weeks
29	What is Data Science by IBM	International	Coursera	04 Weeks
30	Security and Privacy for BigData – Part 1	International	Coursera	04 Weeks
31	Security and Privacy for BigData – Part 2	International	Coursera	04 Weeks
32	What Is Data Science?	International	Coursera	04 Weeks
33	Generative Deep Learning with Tensor Flow	International	Coursera	06 Weeks

34	Generative AI for Data Science	International	Coursera	06 Weeks
35	AI For Everyone	International	Coursera	04 Weeks
36	The Science of Well- Being	International	Coursera	04 Weeks
37	Innovative Teaching with ChatGPT	International	Coursera	04 Weeks
38	Understanding Research Methods	International	Coursera	04 Weeks
39	Creative Thinking: Techniques and Tools for Success	International	Coursera	04 Weeks

Publication in International Journal: 03

- Poonam S. Jadhav,Gautam M. Borkar,” Quasi-identifier recognition with echo chamber optimization-based anonymization for privacy preservation of cloud storage”, concurrency and computation: practice and experience,Wiley Publication,2023, Q1 Category.
<https://onlinelibrary.wiley.com/doi/abs/10.1002/cpe.7906>
- Poonam S. Jadhav,Gautam M. Borkar,” Optimal key generation for privacy preservation in big data applications based on marine predator whale optimization algorithm.”,Annals of Data Science ,Springer,2023,Q1 Category.
https://link.springer.com/article/10.1007/s40745-024-00521-8?error=cookies_not_supported&code=026485dc-7680-48de-8868-62a00105639e
- Neha Patwari, Shraddha More, Neeta Patil, Poonam Jadhav, Shruti Mathur, Purvi Sankhe, “Fractional–Nonlinear Modeling of Neural Oscillator Dynamics” is accepted in JIM – Journal of Interdisciplinary Mathematics Scopus Indexed, Q2 Category.

Publication in International Conference: 08

- Poonam S. Jadhav, Dipti S. Jadhav, "Video Summarization Using Higher Order Color Moments (VSUHCM)", International Conference on Advanced Computing Technologies and Applications (ICACTA-2015), Elsevier, 2015. <https://www.sciencedirect.com/science/article/pii/S1877050915003762>
 - Poonam S. Jadhav, Gautam M. Borkar, "Unstructured bigdata information extraction techniques survey: Privacy preservation perspective", International Conference on Electrical, Computer, Communications and Mechatronics Engineering, ICECCME, IEEE, 2021. <https://ieeexplore.ieee.org/iel7/9590450/9590827/09590948.pdf>
 - A Comparative Analysis of Privacy Preservation Models for Securing Big Data – Presented at the International Conference on Computing and Data Analytics (ICCD'A23), University of Technology and Applied Sciences (UTAS), Ibri, Sultanate of Oman, held from 10–12 December 2023.
 - Anita Patil, Poonam S. Jadhav, Gautam M. Borkar, "Analysis of Privacy Preservation on Mobile Ad-Hoc Networks", International Conference on International Conference on Intelligent Systems Design and Applications, 2024, Lecture Notes in Networks and Systems ((LNNS, volume 1048)) https://link.springer.com/chapter/10.1007/978-3-031-64650-8_15?error=cookies_not_supported&code=d0d0d53e-184d-426e-bd32-23f53263e945
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- Aman Mehra, Harshit Soni, Jash Bhatt, Poonam Jadhav, Dhavit Gandhi, Arjun K Jaiswal, "Multi-Modal System for Translating Indian Sign Language and Facial Expressions into Text", 2025 2nd International Conference on Computing and Data Science (ICCD'S), IEEE, 2025. https://www.researchgate.net/publication/397227477_Multi-Modal_System_for_Translating_Indian_Sign_Language_and_Facial_Expressions_into_Text
 - P. Rawat, A. , Karande, G. , Balaji, M. , Bhamare, V. , Jadhav, "Hyper-Space: Blockchain-based Decentralized Cloud Storage System", Conference: 2023 International Conference on Advanced Computing Technologies and Applications (ICACTA), IEEE, 2023. <https://ieeexplore.ieee.org/document/10392662/>
 - Presented the paper "Hybrid Deep Learning Pipeline for Pap Smear Analysis: ConvNeXt, U-Net, and Vision Transformer with XAI" at ICSICE-2026 (Wiley, Scopus-indexed Conference Proceedings), 17–18 April 2026.
 - Presented the paper "Smart Safety Surveillance System with Real-Time Alert Using Hybrid 2DCNN-GRU Architecture" at ICSICE-2026 (Wiley, Scopus-indexed Conference Proceedings), 17–18 April 2026.

Publication in Book Chapter: 03

- Poonam S.Jadhav,Gautam M.Borkar,"Privacy Protection Challenges in Statistical Disclosure Control", Contemporary Challenges for Cyber Security and Data Privacy, IGI Global, 2023.
- Poonam S. Jadhav, Gautam M.Borkar,"Advanced privacy preservation in IoT using Blockchain and multi-objective optimization",Blockchain of Things Research Challenges and Applications, CRC Press,2026.
- Naman Raiyani, Saiyyam Lodaya, Viraj Shah, Poonam Jadhav," Bridging language and layout: Natural language interface for interior 3D scene customization, Artificial Intelligence and Sustainable Innovation,CRC Press,2026.

Copyright:01

- Automated Quasi Identifier Detection : A Novel Algorithm for Data Privacy Enhancement, 23469/2023-CO/L

Patent:01

- A System and Method for Generation of a Secure Key and Anonymization in Privacy-Preserving Data Publishing, Indian Patent Application No. 202421099597 A, filed on 16 December 2024 and published on 17 January 2025 (Patent Application Published).Dr. Gautam M. Borkar and Poonam S. Jadhav.

NPTEL Certifications (SWAYAM)

- Database Management System, NPTEL (Jul–Sep 2025).
- Social Networks, NPTEL (Jan–Apr 2025).

Industrial Training

- Completed Industrial Training on "Generative AI and Prompt Engineering (Python Based Approach)" conducted by the Academy of Skill Development (ASD), Kolkata (6 Weeks, March 2026).

