

GAUTAMI TRIPATHI

(ACM SIGCHI MEMBER), (SENIOR MEMBER, IEEE), (CERTIFIED MICROSOFT INNOVATIVE EDUCATOR), (GOOGLE CERTIFIED LEVEL -1 EDUCATOR).

Currently working as a Senior Assistant Professor in the Department of Computer Science and Engineering, Jamia Hamdard, New Delhi, India.

WORK EXPERIENCE

Total Experience: 8+ Years

08/2015 – Present ASSISTANT PROFESSOR

Department of Computer Science and Engineering, Jamia Hamdard, New Delhi

EDUCATION

PhD (Pursuing)

Dept of CSE, Indraprastha Institute of Information Technology-Delhi (IIIT-D)

Master of Technology (Computer Science & Engineering)

CGPA 9.57/10 (Gold Medalist)

Galgotias University, Greater Noida, Uttar Pradesh, India

Bachelor of Technology (Computer Science & Engineering)

76.38% (Honors)

Govind Ballabh Pant Engineering College, Pauri Garhwal, Uttarakhand, India

Senior Secondary (XIIth)

ISC, St Theresa's School, Srinagar Garhwal, Uttarakhand, India
83%

Higher Secondary (Xth)

ICSE, St Theresa's School, Srinagar Garhwal, Uttarakhand, India
89%

RESEARCH PUBLICATION STATISTICS

Total Publications	27
Cumulative Impact Factor	32.3 (Last 3 Years)
(As per Thomson Reuters/Clarivate)	
Citations	1330 (Google Scholar)
H-index	15 (Google Scholar)
i10-index	17 (Google Scholar)
Scopus Indexed	21
SCI/SCIE/ESCI/SSCI Indexed	10
International Journals	12
International Conferences	06
Book Chapters	03
Books Edited	01

RESEARCH AREA

- HCI
- IoT
- Health Sensing
- Ethics in Artificial Intelligence
- Blockchain

RESEARCH FELLOW

- Summer Faculty Research Fellow 2019 (Indian Institute of Technology - Delhi) May 2019-July 2019

NATIONAL LEVEL EXAMINATION QUALIFIED

- Graduate Aptitude Test in Engineering (GATE 2012 and GATE 2015)

AWARDS/ CERTIFICATIONS

- Certified [Microsoft Innovative Educator](#)
- [Google Certified Level I Educator](#)
- [Best Paper Award](#) at ACM CHI 2024
- Successfully completed and passed [Google Online Basics Exam](#)
- Internshala Women Ambassador
- IBM Cognitive class certifications (Blockchain, Data Science, Big Data)

EDITORIAL ASSIGNMENTS

- **Area Editor** for Smart Cities Journal, EAI Endorsed Transactions.
- **Lead Guest Editor** for Special Issue on Blockchain and Smart Cities in Smart Cities Journal.
- **Associate Editor** of International Journal of End-User Computing and Development (IJEUCD), IGI Global.

EDITORIAL REVIEW BOARD ASSIGNMENTS

- [IEEE Access \(IET, Scopus Indexed\)](#), IF. 3.5
- Multimedia Tools and Applications, Springer, (SCI, Scopus) (I.F. 2.75)
- **EAI Endorsed Transactions**, Open access, peer-reviewed, community-driven research journals
- IndiaHCI 2024 (Associate Chair)
- Reviewer: CSCW conference

EDITED BOOKS

- Edited Book on “Emerging Technologies for Sustainable and Smart Energy” by CRC Press, Taylor & Francis Group.

RECENT KEY RESEARCH PUBLICATIONS

GOOGLE SCHOLAR: [HTTPS://SCHOLAR.GOOGLE.COM/CITATIONS?USER=7IPDWGEAAAAJ&HL=EN](https://scholar.google.com/citations?user=7IPDWGEAAAAJ&hl=en)

1. “Enabling Technologies and Sustainable Smart Cities”, Sustainable Cities and Society, 2020, Elsevier (SCI, Scopus Indexed), Impact factor 11.7
2. “I know I have this till my Last Breath”: Unmasking the Gaps in Chronic Obstructive Pulmonary Disease (COPD) Care in India., CHI '24: Proceedings of the CHI Conference on Human Factors in Computing Systems , ACM, Article No.: 396, Pages 1 - 16, 2024 (A*, Best Paper Award)
3. “Enabling Technologies for Urban Smart Mobility: Recent Trends, Opportunities and Challenges”, 2021, Sensors (SCI, Scopus Indexed), Impact factor 3.9.
4. “Exploring Trust Dynamics in Leveraging Conversational User Interfaces (CUIs) to Enhance COPD Patient Support in India”, ACM, 2024.
5. “BAuth-ZKP—A Blockchain-Based Multi-Factor Authentication Mechanism for Securing Smart Cities”, 2023, Sensors (SCI, Scopus Indexed), Impact factor 3.9.
6. “A comprehensive review of blockchain technology: Underlying principles and historical background with future challenges”, 2023, Decision Analytics Journal, Elsevier (Scopus Indexed).
7. “S2HS- A Blockchain Based Approach for Smart Healthcare System”, 2020, Healthcare: The journal of delivery science and innovation, Elsevier 2019, (Scopus, SSCI Indexed), Impact Factor 2.5.
8. “SMS: A Secure Healthcare Model for Smart Cities”, 2020, MDPI Electronics Journal, (SCIE and Scopus Indexed), Impact Factor 2.9.
9. “Privacy and security challenges in smart and sustainable mobility”, 2020, SN Applied Sciences, Springer, (ESCI Indexed)
10. “Effects of Social Media on Social, Mental, and Physical Health Traits of Youngsters”, 2019, Computational Intelligence in Data Mining. Advances in Intelligent Systems and Computing, vol 711. Springer, Singapore (Scopus indexed)
11. “Learning Analytics for IoE based Educational Model using Deep Learning Techniques: Architecture, Challenges and Applications”, 2018, Smart Learning Environments , Springer.
12. “IoT in Education: An Integration of Educator Community to Promote Holistic Teaching and Learning”, 2019, AISC Series of Springer, (Scopus indexed)
13. “Impact of Excessive Use of Internet on Cognitive Development of Youngsters”, 2017, International Journal of Information Technology , 9(3), 281-286 (2017), Springer.
14. “Multimedia Tampering Detection: A Comprehensive Review of Available Techniques and Solutions”, 2020, Advances in Bioinformatics, Multimedia, and Electronics Circuits and Signals, Proceedings of GUCON International Conference, 2019, Springer, AISC Series, (Scopus Indexed)
15. “Cloud Algebra: An Innovative Approach for Managing Resources, Services and Big Data on Clouds”, 2020, EAI Endorsed Transactions on Energy Web (Scopus Indexed)

FDP, WORKSHOP AND ORIENTATION PROGRAMS SUMMARY

- Two Weeks - 04
- One Week - 11
- Three Days - 01
- Two Days - 04
- One Day - 05
- Workshops - 06
- Orientation Programs - 02

ORIENTATION PROGRAMS/ QUALITY IMPROVEMENT PROGRAMS/ COURSES

- UGC Sponsored Faculty Induction Program (2020) conducted by UGC-Human resource Development Centre, Jamia Millia Islamia, New Delhi. (28 December to 2 February, 2021)
- UGC Sponsored Online Refresher Course (2021) in Computational and Mathematical Sciences organized by the UGC-HRDC, Jamia Millia Islamia, New Delhi (22 October to 05 November 2021)
- The Science of Well-Being, Yale University (Coursera) Issued Jun 2020 Credential ID FJEKAC9F5AJN
- Short Term Course under QIP on Differential Equations: Solution Techniques and Application conducted by IIT-Guwahati sponsored by MHRD, Govt of India.
- AICTE Module 1: Orientation Towards Technical Education and Curriculum Aspects (February 2021)
- AICTE Universal Human Values (UHV 1)
- Technical Education” organized by All India Council for Technical Education (AICTE) from 6th November

16. "The Role of Blockchain in Internet of Vehicles (IoV): Issues, Challenges and Opportunities", **IEEE**, 2019 International Conference on contemporary Computing and Informatics (IC3I) 2019, pp. 26-31
17. "IoT Data Management—Security Aspects of Information Linkage in IoT Systems", 2020, Principles of Internet of Things (IoT) Ecosystem: Insight Paradigm. Intelligent Systems Reference Library, vol 174. **Springer**, Cham.
18. "Big Data Analytics for Industry Oriented Education System: An Evolution of Sustainable Education Model", 2020, Proceedings of ICETIT 2019. Lecture Notes in Electrical Engineering, vol 605. **Springer**, Cham.
19. "Big Data and Modern-Day Technologies in COVID-19 Pandemic: Opportunities, Challenges, and Future Avenues", 2021, Emerging Technologies for Battling Covid-19. Studies in Systems, Decision and Control, vol 324. **Springer**, Cham.
20. "Blockchain Technology and Fashion Industry-Opportunities and Challenges", 2021, Blockchain Technology: Applications and Challenges. Intelligent Systems Reference Library, vol 203. **Springer**, Cham.
21. "Feature Selection And Classification Approach For Sentiment Analysis", 2015, Machine Learning and Applications: An International Journal (MLAIJ) Vol.2, No.2, June 2015.

PARTICIPATION IN INTERNATIONAL CONFERENCES/ WEBINARS/ SYMPOSIUMS

- CHI'2024, held from 11-16 May, 2024 in Hawaii, USA.
- CHI'22 (Virtual Participation), held from April 30–May 5 in New Orleans, LA.
- HCIF '22: ACM SIGCHI Symposium on HCI and Friends held from December 9–11, 2022 at the IIT Bombay campus in Mumbai, India,
- International Conference on ICT for Digital, Smart and Sustainable Development held from 15-16 March, 2019 at Dept of CSE, Jamia Hamdard, New Delhi, India.
- 4th International Conference on Software Solutions, E-Learning, Computer Sciences, Information & Communication Technology at JNU, New Delhi on 14-15 June, 2014.
- 2nd International Conference on ICT for Digital, Smart and Sustainable Development held from 27-28 February, 2021 at Dept of CSE, Jamia Hamdard, New Delhi, India.
- International conference on Emerging Trends in Information Technology-2019 at IITM, New Delhi.
- Naya Bharat E-Series conducted through participation in School Education Subject expert group, Unnat Bharat Abhiyan, Ministry of Education, 29-11-2020 to 09-05-2021.
- National Webinar on The path to a sustainable future organised by IIM-Sirmaur on 28 October 2020.
- National webinar on "Emerging Trends for Sustainable Rural Development through Organic Farming and Water Purification" at NIT-Warangal on 08/08/2020.

CO-CURRICULAR/ EXTRA-CURRICULAR

- Coordinator, Unnat Bharat Abhiyan at Jamia Hamdard University.
- Board Member, Maitray Environmental and rural development society
- Program Facilitator, Reaching Sky Foundation
- Internshala Women Ambassador
- Volunteer, Pratham Education Foundation

HOBBIES

- Dancing (Completed 3 years Kathak Course)
- Gardening
- Trying different cuisines

PERSONAL INFORMATION

Name: Ms Gautami Tripathi
 DoB: 14 May 1990
 Email: gautami1489@gmail.com ,
gautami.tripathi@jamiahamdard.ac.in
 Mobile: **+91- 8826627692**
 Address: **A-56, 2-floor,
 Block A, Greenwoods City,
 Sector 45, Gurgaon,
 Haryana, India,
 Pin-122003**