GAUTAMI TRIPATHI

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

Currently working as an Assistant Professor (Stage 1) in the Department of Computer Science and Engineering, Jamia Hamdard, New Delhi, India and also pursuing my PhD in CSE from IIIT-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	**25**
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
- 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)

ORIENTATION PROGRAMMES/ 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)**

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

1. *"Enabling Technologies and Sustainable Smart Cities"*, Sustainable Cities and Society, 2020, **Elsevier (SCI, Scopus Indexed), Impact factor 11.7**
2. *"Enabling Technologies for Urban Smart Mobility: Recent Trends, Opportunities and Challenges"*, 2021, Sensors **(SCI, Scopus Indexed), Impact factor 3.9.**
3. *"BAuth-ZKP—A Blockchain-Based Multi-Factor Authentication Mechanism for Securing Smart Cities"*, 2023, Sensors **(SCI, Scopus Indexed), Impact factor 3.9**.
4. *"A comprehensive review of blockchain technology: Underlying principles and historical background with future challenges"*, 2023, Decision Analytics Journal, Elsevier **(Scopus Indexed).**
5. *"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.**
6. *"SMS: A Secure Healthcare Model for Smart Cities"*, 2020, MDPI Electroncis Journal, **(SCIE and Scopus Indexed), Impact Factor 2.9.**
7. *"Privacy and security challenges in smart and sustainable mobility"*, 2020, SN Applied Sciences, Springer, **(ESCI Indexed)**
8. *"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)**
9. *"Learning Analytics for IoE based Educational Model using Deep Learning Techniques: Architecture, Challenges and Applications"*, 2018, Smart Learning Environments , **Springer**.
10. *"IoT in Education: An Integration of Educator Community to Promote Holistic Teaching and Learning"*, 2019, AISC Series of **Springer, (Scopus indexed)**
11. *"Impact of Excessive Use of Internet on Cognitive Development of Youngsters"*, 2017, International Journal of Information Technology , 9(3), 281-286 (2017), **Springer.**
12. *"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)**
13. *"Cloud Algebra: An Innovative Approach for Managing Resources, Services and Big Data on Clouds"*, 2020, EAI Endorsed Transactions on Energy Web **(Scopus Indexed)**
14. *"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
15. *"IoT Data Management—Security Aspects of Information Linkage in IoT Systems"*, 2020, Principles of Internet of Things (IoT) Ecosystem: Insight

UNIVERSITY DUTIES

- Coordinator Unnat Bharat Abhiyan (UBA)
- Member NIRF Committee
- Member NAAC Committee
- Member AICTE Committee
- Member Admission Committee (MTech)
- Member AISHE Committee
- Member Music Club

SUBJECTS TAUGHT

- Computer Networks
- Big data Analytics

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)

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

Paradigm. Intelligent Systems Reference Library, vol 174. **Springer,** Cham.

16. *"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.

17. *"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.

18. *"Blockchain Technology and Fashion Industry-Opportunities and Challenges"*, 2021, Blockchain Technology: Applications and Challenges. Intelligent Systems Reference Library, vol 203. **Springer,** Cham.

19. *"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, Maitraiy 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