

Dr. Danish Raza Rizvi

Assistant Professor

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Total Experience: 18 Years

Academic Qualification:

Ph.D.: Computer Engineering
Master of Technology: Information Technology
Bachelor of Engineering: Computer Science & Engineering

Degree	School / University	Year
Ph.D.	Department of Computer Engineering, Jamia Millia Islamia, New Delhi	2022
M.Tech.	USIT, GGS Indraprastha University, New Delhi	2008
B.E.	M.J.P. Rohilkhand University, Bareilly, U.P.	2003
XII	U.P. Board	1999
X	U.P. Board	1997

Teaching Experience:

- Working as Assistant Professor in Department of Computer Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi 110025 since 2014.
- Worked as Guest Faculty in Department of Computer Engineering and Computer Engineering Section, University Polytechnic, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi 110025.

Course Taught:

- **Post Graduate Level (M.Tech.)**
 - Advance Database Management Systems
 - Mobile Computing
 - Wireless technologies for WSN & IoT
 - System & Network Administration
- **Graduate Level (B.Tech. & B.E.)**
 - Fundamental of Computing
 - Operating System
 - Computer Network

- d. System Software
- e. Database Management Systems
- f. Parallel & Distributed Processing

➤ **Diploma in Computer Engineering Level**

- a. Computer Network
- b. Operating System
- c. System Analysis & Design
- d. Relational Database Management Systems

Technical Skills:

- C, VC++, JAVA, Python, VHDL, Intel 8085 / 8086, Microchip PIC 16F84/16F877
- Linux Shell Scripting, Linux OS, Mac OS, & Windows Server 2008

Publications:

Total Number of papers published =23

➤ **Book Chapters**

1. **Danish Raza Rizvi**, Mohd Majid Akhtar, “Traceability and detection of counterfeit medicines in pharmaceutical supply chain using blockchain-based architectures”, Sustainable and energy efficient computing paradigms for society, Springer, 2021 (SCOPUS)

DOI: https://doi.org/10.1007/978-3-030-51070-1_1

2. **Danish Raza Rizvi**, Sana Zeba, Mohammed Amjad, “Sustainable Paradigm for Computing the Security of Wireless Internet of Things: Blockchain Technology, Smart and Sustainable Approaches for Optimizing Performance of Wireless Networks: Real-time Applications, John Wiley & Sons, 2022. (SCOPUS)

DOI: <https://doi.org/10.1002/9781119682554.ch3>

➤ **Research Papers in Journal**

1. **Danish Raza Rizvi**, Mohd Majid Akhtar, Mohd Abdul Ahad, Salil S Kanhere, Mohammad Amjad, Giuseppe Coviello, “Efficient data communication using distributed ledger technology and iota-enabled internet of things for a future machine-to-machine economy, MDPI Sensors, Volume 21, Issue 13, 2021 (ISSN: 1424-8220) (SCIE) (SCOPUS)

DOI: <https://doi.org/10.3390/s21134354>

2. **Danish Raza Rizvi**, Mohd Majid Akhtar, Mohammad Zubair Khan, Mohd Abdul Ahad, Abdulfattah Noorwali, Chinmay Chakraborty, “Distributed ledger technology based robust access control and real-time synchronization for consumer electronics”, PeerJ Computer Science, Volume 7, 2021. (ISSN: 2376-5992)

(SCIE) (SCOPUS)

DOI: <https://doi.org/10.7717/peerj-cs.566>

3. **Danish Raza Rizvi** , Sumera Naaz, Zain Ul Abedin, “Sequence Classification of Tweets with Transfer Learning via BERT in the Field of Disaster Management”, EAI Endorsed Transactions on Scalable Information Systems, Volume 8, Issue 31, 2021 (ISSN: 2032-9407) (ESCI) (SCOPUS)

DOI: <http://dx.doi.org/10.4108/eai.23-3-2021.169071>

4. **Danish Raza Rizvi**, Mohd. Majid Akhtar, “IoT-Chain: Security of things for Pervasive, Sustainable and Efficient Computing using Blockchain”, EAI Endorsed Transactions on Energy Web, Volume 7, Issue 30, May 2020. (ISSN: 2032-944X)

DOI: <http://dx.doi.org/10.4108/eai.13-7-2018.164628>

5. **Danish Raza Rizvi**, Shilpi, “E-CREDND Scheme for Detection of malevolent nodes in Ad-hoc Network”, EAI Endorsed Transactions on Mobile Communications and Applications, April 2020 (ISSN: 2032-9504) (DBLP)

DOI: <http://dx.doi.org/10.4108/eai.13-7-2018.163971>

6. **Danish Raza Rizvi** , Faiyaz Ahmad, Iqra Nissar, Sarfaraz Masood, Mumtaz Ahmed, “An LSTM based Deep learning model for voice-based detection of Parkinson’s disease”, International Journal of Advanced Science and Technology, Volume 29, Issue 5s, 2020. (ISSN:2005-4238) (SCOPUS) (ELSEVIER)

LINK: <http://serisc.org/journals/index.php/IJAST/article/view/7166>

7. **Danish Raza Rizvi** , Mumtaz Ahmed, , Sarfaraz Masood, Adil Masood, Faiyaz Ahmad, “Machine Learning Approach for Predicting the Quality of Water”, International Journal of Advanced Science and Technology, Volume 29, Issue 5s, 2020. (ISSN:2005-4238) (SCOPUS) (ELSEVIER)

LINK: <http://serisc.org/journals/index.php/IJAST/article/view/7133>

8. **Danish Raza Rizvi**, Sarfaraz Masood, Umer Ahsan, Fatima Munawwar, Mumtaz Ahmed, "Scene Recognition from Image Using Convolutional Neural Network", *Procedia Computer Science*, Volume 167, January 2020. (ISSN: 1877-0509) (SCOPUS) (ELSEVIER)
DOI: <https://doi.org/10.1016/j.procs.2020.03.400>
9. Danish Rizvi, Sarfaraz Masood, Iqra Nissar, Aqib Mir, "Voice-based detection of Parkinson's disease through ensemble machine learning approach: A Performance study", *EAI Endorsed Transactions on Pervasive Health and Technology*, Volume 5, Issue 9, August 2019 (ISSN: 2411-7145) (SCOPUS)
DOI: <http://dx.doi.org/10.4108/eai.13-7-2018.162806>
10. Danish Raza Rizvi, Mumtaz Ahmed, "Prediction and Analysis of Air Particulate matter in Delhi", *International Journal of Research*, Volume 8, Issue -II, 2019. (ISSN: 2236-6124) (UGC LISTED)
DOI: <http://ijrpublisher.com/gallery/2-february-883.pdf>
11. **Danish Raza Rizvi**, Gajala Praveen, "An Analysis of POS Tagging English-Hindi Code Mixed Text", *International Journal Of Research In Electronics And Computer Engineering*, Volume 6, Issue 3, September 2018. (ISSN: 2348-2281) (UGC LISTED)
Link: <http://www.i2or-ijrece.com/vol.6-issue-3--version-4-.html>
12. **Danish Raza Rizvi**, Mohd. Amjad, M. N. Doja, "A Study of Wireless Sensor Networks", *International Research Journal of Engineering and Technology (IRJET)*, Volume 4, Issue 7, July 2017. (ISSN: 2395-0056) (UGC LISTED)
Link: <https://www.irjet.net/archives/V4/i7/IRJET-V4I7432.pdf>
13. **Danish Raza Rizvi**, "Infrastructure Control & Automation System (ICAS): An IOT based Home Automation", *International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC)*, Volume 5, Issue 7, July 2017. (ISSN 2321-8169) (UGC LISTED)
DOI: <https://doi.org/10.17762/ijritcc.v5i7.1035>
14. **Danish Raza Rizvi**, Mumtaz Ahmed, "Brain Alzheimer's Disease Detection in Magnetic Resonance Images using Image Processing", *International Journal on*

Recent and Innovation Trends in Computing and Communication (IJRITCC), Volume 5, Issue 6, June 2017. (ISSN 2321-8169) (UGC LISTED)

DOI: <https://doi.org/10.17762/ijritcc.v5i6.970>

15. **Danish Raza Rizvi**, Almas Zahra, " Investigations in Brute Force attack on GSM based on DES and AES algorithm", International Journal For Scientific Research & Development (IJSRD), Volume 2, Issue 5, July 2014 (ISSN 23210613) (UGC LIST)

Link: <http://ijsrd.com/Article.php?manuscript=IJSRDV2I5118>

➤ **Research Papers in International Conferences**

1. **Danish Raza Rizvi**, Musheer Ahmad, Zishan Ahmad, " PWLCM-based random search for strong substitution-box design", Proceedings of the Second International Conference on Computer and Communication Technologies, Springer, 2016
2. **Danish Raza Rizvi**, Sarfaraz Masood, Madhav Mehta, "Isolated word recognition using neural network", Annual IEEE India Conference (INDICON), 2015.
3. **Danish Raza Rizvi** , Shashi Bala Chaudhry," Comparative study of Sorting Algorithm", 2nd International Conference on Emerging Trends in computer Science & Information technology (ETC SIT), AFSET, Faridabad, April 2014.
4. **Danish Raza Rizvi**, Ghufran Khan," A Driving Safety System Using Ad-Hoc Network And Wireless Sensor Network", 2nd International Conference on Emerging Trends in computer Science & Information technology (ETC SIT), AFSET, Faridabad, April 2014.

➤ **Research Papers in National Conferences**

1. Mohd. Sadiq, **Danish Raza Rizvi**, Mohd Shahid, Safdar Tanveer , "Function Point computation of a software written in C/C++", National Conference on Mathematical Modeling, Optimization and Their Applications, OPTIMA-2007, Jointly Organized by BVICAM and Society for Reliability Engineering, Quality and Operation Management (28/04/2007 to 29/04/2007).
2. Mohd.Sadiq, M.Sarosh Umar, Jawed Ahmad, **Danish Raza Rizvi**, and Mohd.Shahid, "Function Point Measurement: An Empirical Study" , Proceedings of National Conference on Information Technology: Present Practices and Challenges (NCIT2007), p.p. 317-321, organized by Asia Pacific Institute of

Management, New Delhi-110025 (31/08/2007 to 01/09/2007)

3. **Danish Raza Rizvi** “ Data Security and Authentication Using Steganography”, National conference on Issues and Challenges in Internet & Mobile Computing (ICIMC-08), organized by Institute of Management & Research, Ghaziabad, U.P. (28/03/2008)
4. Mohd. Sadiq, **Danish Raza Rizvi**, Suman Aggarwal, “ Weaknesses of Software risk Estimation Models”, 2nd National Conference on Emerging Trends in Computer Science and Information technology, AFSET, Faridabad. Pp (146-150)

Administrative Positions Hold:

- Startup Activity Coordinator of Institutional Innovation Council (IIC 4.0: An MoE initiative), Jamia Millia Islamia, New Delhi since January 2022.
- Member of Annual Report Compilation Committee of Jamia Millia Islamia, New Delhi since July 2021.
- Warden of Dr. Zakir Hussain Hall of boys Residence, Jamia Millia Islamia, New Delhi since July 2017.

Department Level Activities:

- Project Coordinator of B. Tech and B.E. courses of the Department.
- Sessional Examination Coordinator of B.Tech., B.E., M.Tech & Ph.D. courses of the Department.
- Member of Board of Study, Department of Computer Engineering, Jamia Millia Islamia, New Delhi.

Dissertation / Project Supervised:

M.Tech. Dissertations: 13

- Supervised 13 M. Tech Dissertations
- Supervised 10 M. Tech Projects

B.Tech. Projects:

- Supervised 45 Final Year Projects

Diploma Engineering Projects:

- Supervised 15 Final Year Diploma Engineering Projects (2004 – 2010)

Research Interest:

- Blockchain Technology
- Wireless Sensor Networks and IoT
- Data Security
- Network Security

Personal Profile:

1. **Father's Name:** Dr. Asif Raza
2. **Date of Birth:** 22/04/1984
3. **Nationality:** Indian
4. **Residential Address:** C-34, Muradi Road, Batla House, Jamia Nagar, Okhla ND25.
5. **Office Address:** Room No 210, Department of Computer Engineering,
Faculty of Engineering & Technology
Jamia Millia Islamia, New Delhi 110025

Place: New Delhi