Dr. Mohd Zeeshan Ansari

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Research Interests

(1) Application of modern machine learning and deep learning techniques in challenging problems of natural language processing and computer vision.

(2) Development of artificial intelligence-based automatic systems solving real-life problems.

Area of Research Specialization

Natural Language Processing, Multilingual Text Processing, Information Extraction, Computer Vision, Machine Learning, Deep Learning

Employment Profile

Job Title	Employer	From	To
Assistant Professor, Department of Computer Engineering	Jamia Millia Islamia	16-July-2007	Till date

Academic Qualifications

Degree	Board / University	Year	Division
Ph.D. (Computer Engineering)	Jamia Millia Islamia	2022	-
M.Tech. (Computer Science & Engineering)	Delhi Technological University	2014	I - Div
B.Tech. (Computer Science & Engineering)	Uttar Pradesh Technical University	2005	I - Div
Senior School (Class XII)	CBSE	2000	I - Div
High School (Class X)	ICSE	1998	I - Div

Awards

Year of Award	Name of the Award	Awarding Organization
2017	Winner - Smart India Hackathon 2017	Ministry of Civil Aviation, MHRD, AICTE

Academic Contributions

(A) Programmes taught
- B.Tech (Computer Engineering)
- M.Tech (Computer Engineering)
- M.Tech (Data Science)

(B) Courses taught
- Postgraduate
  - Machine Learning
  - Advanced Computer Architecture
  - Data Analytics Lab
- Undergraduate
  - Natural Language Processing and Information Extraction
  - Design and Analysis of Algorithms
  - Computer Architecture
  - Object-Oriented Programming
  - Computer Organization
  - Data Mining Lab
  - C Programming

(C) Professional Contributions
- Invited Talk, "Topic: Lasso, Ridge and Elasticnet Regression", 24th Feb 2025, Department of Economics, Jamia Millia Islamia, New Delhi.
- Invited Talk, "Topic: Neural NLP", 23rd Sep 2024, One Week International FDP on Recent Research Trends in SC & IT, Sharda University, Greater Noida.
- Program Coordinator, 1-19, July 2024, Short Term Training Program (STTP) on AI & ML, Jamia Millia Islamia.
- Session Chair, 15-16 March 2024, International Conference on Device Intelligence, Computing and Communication Technologies 2024, Graphic Era University, Dehradun.
- Program Coordinator, 4-22, July 2023, Short Term Training Program (STTP) on AI & ML, Jamia Millia Islamia.
- Session Chair, 17-18 March 2023, International Conference on Device Intelligence, Computing and Communication Technologies 2024, Graphic Era University, Dehradun.
- Former Member, Curriculum Development Committee, Department of Computer Engineering, Jamia Millia Islamia.

(D) Administrative Contribution
- Departmental Research Committee (DRC), Member and Convener
- Coordinator, NPTEL Swayam MOOCS, Department of Computer Engineering
- Former Warder, Hall of Boys Residence, Jamia Millia Islamia.
- SPOC Kavach
- Member, Admission Verification Committee, B.Tech. and B.Sc. Aeronautics
- Former Coordinator, NBA, Department of Computer Engineering, Jamia Millia Islamia.

Publications

Bano, Z., & Ansari, M. Z. (2024, June). Code Clone Detection using Machine Learning: Brief Overview and Latest Developments. In 2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT) (pp. 1-6). IEEE

Ahmad, F., Ansari, M. Z., Anwar, R., Shahzad, B., & Ikram, A. (2024). Deep learning based classification of underwater acoustic signals. Procedia Computer Science, 235, 1115-1124

Ansari, M. Z., Ahmad, F., Taheri, E. N., Reddy, R. G. J., & Mabood, F. (2024). Animal Identity Recognition using Object Detection Techniques. Procedia Computer Science, 233, 651–659.

Ahmad, F., Tayyab, M., & Ansari, M. Z. (2023, May). Ride-Sharing Service Based on Ethereum. In Proceedings of International Conference on Recent Innovations in Computing: ICRIC 2022, Volume 1 (pp. 561-569). Singapore: Springer Nature Singapore

Ahmad, F., Tarik, M., Ahmad, M., & Ansari, M. Z. (2023, May). Weather Forecasting Using Deep Learning Algorithms. In 2023 International Conference on Recent Advances in Electrical, Electronics & Digital Healthcare Technologies (REEDCON) (pp. 498-502). IEEE

Ahmad, F., Ansari, M. Z., Hamid, S., & Saad, M. (2023, May). A Computer Vision based Vehicle Counting and Speed Detection System. In 2023 International Conference on Recent Advances in Electrical, Electronics & Digital Healthcare Technologies (REEDCON) (pp. 487-492). IEEE

Ahmad, F., Waseem, Z., Ahmad, M., & Ansari, M. Z. (2023, May). Forest Fire Prediction Using Machine Learning Techniques. In 2023 International Conference on Recent Advances in Electrical, Electronics & Digital Healthcare Technologies (REEDCON) (pp. 705-708). IEEE

Ansari, M. Z., Ahmad, F., Fatima, S., & Shakeel, H. (2023, February). Transfer Learning Framework Using CNN Variants for Animal Species Recognition. In International Conference on Innovative Computing And Communication (pp. 601-610). Singapore: Springer Nature Singapore

Ansari, M. Z., Ahmad, T., Khan, S., Mabood, F., & Faizan, M. (2023, February). Homograph Language Identification Using Machine Learning Techniques. In Proceedings of International Conference on Data Science and Applications: ICDSA 2022, Volume 1 (pp. 863-873). Singapore: Springer Nature Singapore

Ansari, M.Z., Ahmad, T., Beg, M.M.S., Ahmad, F. (2022, August) Hindi to English transliteration using multilayer gated recurrent units. Indonesian Journal of Electrical Engineering and Computer Science, 2022, 27(2), pp. 1083–1090

Ansari, M. Z., Beg, M. S., Ahmad, T., Khan, M. J., & Wasim, G. (2021, October). Language Identification of Hindi-English tweets using code-mixed BERT. In 2021 IEEE 20th International Conference on Cognitive Informatics & Cognitive Computing (ICCI* CC) (pp. 248-252). IEEE

Ansari, M.Z., Ahmad, T., Beg, M.M.S., Bari, N. (2022, June) Language lexicons for Hindi-English multilingual text processing. IAES International Journal of Artificial Intelligence, 2022, 11(2), pp. 641–648

Ansari, M. Z., Siddiqui, A. F., & Anas, M. (2021). Inferring political preferences from twitter. In Emerging Technologies in Data Mining and Information Security (pp. 581-589). Springer, Singapore

Ansari, M. Z., Ahmad, T., & Fatima, A. (2020). Feature Selection on Noisy Twitter Short Text Messages for Language Identification. International Journal of Recent Technology and Engineering, Volume-8, Issue-4

Ansari, M. Z., Aziz, M. B., Siddiqui, M. O., Mehra, H., & Singh, K. P. (2020). Analysis of political sentiment orientations on twitter. Procedia Computer Science, 167, 1821-1828

Ansari, M. Z., Khan, S., Amani, T., Hamid, A., & Rizvi, S. (2020). Analysis of part of speech tags in language identification of code-mixed text. In Advances in Computing and Intelligent Systems (pp. 417-425). Springer, Singapore

Ansari, M. Z., & Khan, L., (2019). Techniques for Lexical Semantics in Hindi Language. International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-12

Ansari, M. Z., & Ahmad, M., (2019). A Hybrid Approach for Fake News Detection using Convolution and Multilayer Perceptron. International Journal of Computer Sciences and Engineering, 7(4)

Amjad, M., Ansari, M. Z., & Alam, N. (2018) An MLP based Approach of Hate Speech Detection on Twitter International Journal of Research in Electronics and Computer Engineering, Vol-6(3)

Ansari, M. Z., & Beg, M. S. (2018). Improved Fuzzy Rank Aggregation. International Journal of Rough Sets and Data Analysis (IJRSDA), 5(4), 74-87

Ansari, M. Z., Ahmad, T., & Ali, M. A. (2018). Cross Script Hindi English NER Corpus from Wikipedia. In International Conference on Intelligent Data Communication Technologies and Internet of Things (pp. 1006-1012). Springer, Cham

Ansari, M. Z., Beg, M. S., & Kumar, M. (2016). Enhancement of fuzzy rank aggregation technique. In Proceedings of the Second International Conference on Computer and Communication Technologies (pp. 127-135). Springer, New Delhi

Ahmad, M., Khan, P.M., Ansari, M.Z. (2014). A Simple and Efficient Key-Dependent S-Box Design Using Fisher-Yates Shuffle Technique. In: Martínez Pérez, G., Thampi, S.M., Ko, R., Shu, L. (eds) Recent Trends in Computer Networks and Distributed Systems Security. SNDS 2014