



Miranda House

UNIVERSITY OF DELHI

Name: Mrs. Tulika Kumari

Department: Computer Science

Current Designation: Assistant Professor

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Academic Qualifications (reverse chronological order): M.Sc. Computer Science, B.Sc. (Hons) Computer Science

Field of Specialization under the Subject/Discipline: Artificial Intelligence, Recommender Systems, Deep Learning, Data Structures

Total Teaching Experience: +7 years

Teaching at Miranda House since: September, 2023

List of Publications (reverse chronological order):

(Articles in referred/peer-reviewed/UGC Care journals/ Books/Book Chapters)

- Kumari, T., Gupta, B., Sharma, R., & Bedi, P. (2023). Empowering reciprocal recommender system using contextual bandits and argumentation based explanations. *World Wide Web*, 26, 2969–3000. Springer. (SCIE, Impact factor (2022): 3.7)
- Kumari, T., Sharma, R., Gupta, B., & Bedi, P. (2023). Generating Popularity-Aware Reciprocal Recommendations Using Siamese Bi-Directional Gated Recurrent Units Network. *Vietnam Journal of Computer Science*, 10, 273-301. World Scientific. (ESCI, Impact factor (2022): 0.9)
- Kumari, T., Sharma, R., Bedi, P. (2023). Siamese Bi-Directional Gated Recurrent Units Network for Generating Reciprocal Recommendations in Online Job Recommendation. In: Gupta, D., Khanna, A., Bhattacharyya, S., Hassani, A.E., Anand, S., Jaiswal, A. (eds) *International Conference on Innovative Computing and Communications. Lecture Notes in Networks and Systems*, vol 471. Springer, Singapore. https://doi.org/10.1007/978-981-19-2535-1_20.
- Kumari, T., Sharma, R., & Bedi, P. (2022). A contextual-bandit approach for multifaceted reciprocal recommendations in online dating. *Journal of Intelligent Information Systems*, *Journal of Intelligent Information Systems*, 59(3), 705-731. Springer. (SCIE, Impact factor



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(2022): 3.4)

- Kumari, T., Sharma, R., & Bedi, P. (2021, September). Multifaceted Reciprocal Recommendations for Online Dating. In 2021 9th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO) (pp. 1-6). IEEE.
- Bharti, U., Bajaj, D., Budhiraja, P., Juyal, M., & Baral, S. (2019, July). Android based e-voting mobile app using Google firebase as BaaS. In International Conference on Sustainable Communication Networks and Application (pp. 231-241). Springer, Cham.
- Kumari, T., & Bedi, P. (2017). A comprehensive study of shilling attacks in recommender systems. International Journal of Computer Science Issues (IJCSI), 14(4), 44.
- Gautam, A., Tulika, Dhingra, R., Bedi, P. (2015). Use of NoSQL Database for Handling Semi Structured Data: An Empirical Study of News RSS Feeds. In: Shetty, N., Prasad, N., Nalini, N. (eds) Emerging Research in Computing, Information, Communication and Applications. Springer, New Delhi. https://doi.org/10.1007/978-81-322-2550-8_24.

Educational Resource Material Developed (reverse chronological order):

- Co-authored a book chapter titled “Computer Based Information Systems” in Management Information System (pp. 56-84), School of Open Learning, University of Delhi, India (2023).

Administrative Responsibilities (reverse chronological order):

Year	Student society/committee
2021- Sept, 2023	Member of Data Acquisition Committee, Attendance Committee
2020-21	Member of Attendance Committee, Literary Society -Inklings
2019-20	Member of Cultural Committee, Eco Club, North East Cell, Literary Society -Inklings
2018-19	Member of Literary Society – Inklings, Fine Arts Society- Elvira, ED Cell, Placement Cell
2016-18	Member of Placement Cell



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Invited talks/Session chair/Resource person (reverse chronological order):

- Contributed as a Resource Person for the “Wonders of Science: Hands-on Workshop” organized by Shaheed Rajguru College of Applied Sciences for Women and IEEE Electron Devices Society Delhi Chapter in collaboration with IEEE Delhi Section SIGHT from 31.05.2022-07.06.2022.

Seminars/Workshops/Conferences attended (reverse chronological order):

Name of the Seminars/Workshops/Conferences	Organized by	Duration
Completed a 4-Week Faculty Induction/Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher Education” and obtained Grade A+.	Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of MINISTRY OF EDUCATION, PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING	21.11 - 20.12.2022
Completed One-Week Online National Faculty Development Program “Back-end, Front-end Web design & Development and App development using Flutter” and obtained Grade A+.	University of Delhi and Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education.	27.10 - 03.11.2022
Attended National Seminar on “Vishva Guru Bharat: Exploring the Glorious Past, Promising Present and the Future Roadmap”	Shaheed Rajguru College of Applied Sciences for women in association with ICSSR, SHoDH and COL (DU)	23-24.03.2022
Attended National Level Webinar on “Investor Awareness Program”	Shaheed Rajguru College of Applied Sciences for women in association with Ambition Learning Solutions	08.03.2022
Attended Webinar on “Education 4.0: Role of AI in Transforming Academia”	Bharati Vidyapeeth's Institute of Computers Applications and Management (BVICAM) New Delhi	15.01.2022



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Attended AWSAR (Augmenting Writing Skills for Articulating Research) webinar on “Popular Science Writing”	Department of Science and Technology (DST), Government of India and Vigyan Prasar (VP).	10.09.2021
Attended online session on “Dialogue Series with Women Environmental Conservationist- Tamsutula Imsongan initiative under ICSSR project: Ecological Feminism of Indian Women, a comprehensive study on Indigenous Practices for Sustainable Development”	Shaheed Rajguru College of Applied Sciences for Women, University of Delhi	27.08.2021
Attended Faculty Development Program (FDP) on “Blockchain Technologies and Applications (BCT-2020)”	Department of Computer Science & Engineering and Information Technology, Noida	28.12.2020-02.01.2021
Attended National webinar entitled “ICT Enabled Higher Education in India: Challenges and Opportunities”.	SGTB Khalsa college, University of Delhi	13.04.2020
Attended Workshop on “Cyber security and cyber laws”	Shaheed Sukhdev college of Business Studies, University of Delhi	25 -26.03.2019
Attended a workshop on “IPR” organized by Entrepreneurship Development Cell under AICTE-MHRD Innovation Cell	Shaheed Rajguru College of Applied Sciences for Women, University of Delhi.	10.01.2019
Participated in 2 days Faculty Development Program on “Introduction to Big Data Analytics”	Conducted by ICT Academy at Shyama Prasad Mukherjee College, University of Delhi	06-07.12.2018
Attended National Workshop on “A trend towards Machine Learning: Techniques and Applications”	Deep Dayal Upadhyay, University of Delhi	26.12.2017 to 01.01.2018
Attended Workshop on “Spatial Data Analytics and wireless Sensor Networks”	Ram Lal Anand College, University of Delhi	24.01. 2017
Attended Workshop on “Big Data Hadoop”	Shaheed Rajguru College of Applied Sciences for Women, University of Delhi	23.09.2016



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