

Brief Resume



Dr. Taran Singh Bharati **Professor**

Department of Computer Science
Jamia Millia Islamia (A Central University)
New Delhi-110025 India
Contact Number: 09711099276
E-mail: tbharti@jmi.ac.in

Area of interest:	Cyber Security, Theoretical Computer Science, Compilers, IoT, Big Data.
Education:	<ul style="list-style-type: none">• Ph.D. (Computer Science, Network Security), Jamia Millia Islamia, New Delhi.• Master of Engineering (Computer Communication and Networking), MITS Gwalior.• B. Tech. (Computer Science & Engineering), HBTI Kanpur.
Total Experience:	22 + years of teaching / research experience at UG / PG levels.
Past Experience:	<ul style="list-style-type: none">• Currently working as a Professor, Department of Computer Science, JMI, New Delhi, since 31/08/2022.• Associate Professor, Department of Computer Science, JMI, New Delhi, from 31/08/2019 to 30/08/2022.• Assistant Professor, Department of Computer Science, JMI, New Delhi, from 2009 to 30/08/2019.• Associate Professor, ABES Engineering College, Ghaziabad from 05/08/2004 to 08/12/2009.• Lecturer, Dr. KNMIET, Ghaziabad from 10/09/2003 to 04/08/2004.• Lecturer, IPEC, Ghaziabad from 07/07/2001 to 09/09/2003.
Ph.D. Supervision:	<ul style="list-style-type: none">• Degree awarded: 2 (1 is working in MNC and 1 is permanent AP in DU)• Undergoing: 3
Administrative / Academic Contribution:	<ul style="list-style-type: none">• Expert of UPSC/PSCs• Expert member of Meity for project reviewer.• Expert member of CEC Ministry of Higher education for evaluating the projects.• Member of BoS in other universities, i.e. Sharda University,• PhD coordinator, DCS.

	<ul style="list-style-type: none"> • Convener, DRC. • Member of DRC • Member of BoS, DCS • Member of curriculum committees (PG/UG), 2020. • Departmental library incharge. • Organizing committee of Workshops • Organizing committee of National Conferences • Organizing committee of Extension lectures • Course coordinator of PGDCA (twice) program • Organizing committee of BSc – Computer Components • Organizing committee of BA – Computer Components • Member of subject association • Member of Placement team • Member of ambience committee NAAC • Member of Course curriculum revision committee • Convener of Departmental Research Committee (DRC) • Member of RACs
Some of the Research Papers:	<ul style="list-style-type: none"> • Mohammad Zahid and Taran Singh Bharati. (Jan ,2025). IoMT Security Enhancement through Federated Learning and Advanced Models. <i>South Eastern European Journal of Public Health</i>, 3180–3193. https://doi.org/10.70135/seejph.vi.5223, Volume XXVI, ISSN: 2197-5248;, posted on 04.01.2025. Scopus. • Savita Devi, Taran Singh Bharati (18 Dec, 2024). Enhanced detection for DDoS attacks through deep neural networks and machine learning techniques. <i>Nanotechnology Perceptions</i>, Vol 20, No. 7, pp.1413-1427, ISSN 1660-6795, Scopus. • Zahid, M., & Bharati, T. S. (2024, November). Comprehensive Review of IoT Attack Detection Using Machine Learning and Deep Learning Techniques. In <i>2024 Second International Conference on Advanced Computing & Communication Technologies (ICACCTech)</i> (pp. 827-834). IEEE. Electronic ISBN:979-8-3315-1905-6, Print on Demand (P o D) ISBN:979-8-3315-1906- • Zahid, M., & Bharati, T. S. (Dec, 2024). Empowering IoT networks: A study on machine learning and deep learning for DdoS attack. <i>Artificial Intelligence for Blockchain and Cybersecurity Powered IoT Applications</i>, 99-117. • Devi, S., & Bharti, T. S. (2024). An optimized and efficient approach for unknown attack detection using advance defence-GAN with PSO in cloud environment. In <i>Artificial Intelligence and Information Technologies</i> (pp. 15-20). CRC Press.

	<ul style="list-style-type: none"> • Bharati, Taran Singh (2024). "Cloud Computing: Storage Management, Security, and Privacy." In AI-Based Data Analytics, pp. 191-198. Auerbach Publications. • Singh, S., Mehrotra, M., & Bharati, T. S. (2024). Developing software predictive model for examining the software bugs using machine learning. International Journal of Grid and Utility Computing, 15(1), 44-52. • Kumar, C., Bharati, T. S., & Prakash, S. (2023, June). Online Social Networks: An Efficient Framework for Fake Profiles Detection Using Optimizable Bagged Tree. In International Conference on Data & Information Sciences (pp. 255-264). Singapore: Springer Nature Singapore. • Taran Singh Bharati (June, 2023). "Security and Privacy of Social Media: Modeling and Solutions", International Journal of Creative Research Thoughts (IJCRT), ISSN: 2320-2882, Vol.11, Issue 6, pp.a934-a940, June 2023, URL : http://www.ijcrt.org/IJCRT2306108. • Bharti, T. S., Kumar, C. & Prakash, S. (2023). A hybrid Data-Driven framework for Spam detection in Online Social Network. <i>Procedia Computer Science</i>, 218, 124-132, Scopus. • Taran Singh Bharati, Savita Devi (October, 2023). "Ensemble Approach for DDoS Attack Detection In Cloud Computing Using Random Forest and GWO. International Journal on Recent and Innovation Trends in Computing and Communication, ISSN: 2147 6799, vol. 11, issue 11, pp 347-357. • Singh, S., Mehrotra, M., & Bharti, T. S. (2023, March). Modeling reliability growth among different issue types for multi-version open source software. In 2023 6th International Conference on Information Systems and Computer Networks (ISCON) (pp. 1-5). IEEE. • Bharati, T.S. (2023). Analysis for Detection in MANETs: Security Perspective. In: Chaudhary, K., Alam, M., Debnath, N.C. (eds) Intelligent Data Analytics in Business. ICDABM 2022. Lecture Notes in Electrical Engineering, vol 1068. Springer, Singapore. https://doi.org/10.1007/978-981-99-5358-5_8. • Bharati, T. S. (Dec, 2022). Metaverse: An Amalgamation of Digital Technology and Social Medial. Journal of Xidian University, Vol.8, issue 6, pp. 23-53, ISSN: 2395 1303, pp. 115 – 122, Doi: 10.5281/zenodo.7607149 • Devi, S., & Bharti, T. S. (2022). A Review on Detection and Mitigation Analysis of Distributed Denial of Service Attacks and Their Effects on the Cloud. <i>International Journal of Cloud Applications and Computing (IJCAC)</i>, 12(1), 1-21, ISSN: 2156-1834, EISSN: 2156-1826, Scopus. • Singh, S., Mehrotra, M., & Bharti, T. S. (2022). A Comparison of 4-Parameter Mathematical Logistic Growth Model with Other SRGM Based on Bugs Appearing in the Software. In <i>IOT with Smart Systems</i> (pp. 499-507). Springer, Singapore, Scopus. • Devi S, Bharti T S. (Dec, 2021), Study of Architecture and Issues in Services of Cloud Computing. In 2021 3rd International Conference on Advances in Computing, Communication Control and Networking
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	<p>(ICAC3N) 2021 Dec 17 (pp. 1578-1581). IEEE, Scopus.</p> <ul style="list-style-type: none"> • Bharati, T. S. (Dec, 2021). Blockchain Technology: Architecture, Enabling Technologies, Security and Privacy. Journal of Xidian University (Scopus Indexed), Vol.15, issue.12, pp. 23-53, ISSN: 10012400, IF: 5.4, Scopus, Doi: https://doi.org/10.37896/jxu15.12/004. • Bharati, T. S., Kumar C, Prakash, S. (Jan, 2021). Online Social Network Security: A Comparative Review Using Machine Learning and Deep Learning. Neural Processing Letters (2021), Springer, Vol. 1, issue.2, pp. 843 — 861, ISSN: 2277 8616, IF: 2.908, SCI and Scopus Indexed. DOI: https://doi.org/10.1007/s11063-020-10416-3. • Bharati T.S. (Feb, 2020). Challenges, issues, Security and Privacy of Big Data. International Journal of Scientific & Technology Research (IJSTR), vol.9 issue 2, ISSN 2277 8616, pp 1482-1486, IF: 7.11, Scopus. • Bharati T.S. (Oct, 2019). Internet of Things (IoT): A Critical Review. International Journal of Scientific & Technology Research (IJSTR), vol.8 issue 9, ISSN 2277 8616, pp 227-232, IF: 7.11, Scopus. • Bharati T.S. (Aug, 2019). Security Enhancement and Privacy Preserving of Big Data. <i>International Journal of Innovative Technology and Exploring Engineering (IJITEE)</i>, vol.8 issue 10, ISSN 2278 3075, pp 1754-1758, IF: 5.54, Scopus. • Bharati T.S. (Jun, 2019). Security and Privacy of Internet of Things. <i>International Journal of Innovative Technology and Exploring Engineering (IJITEE)</i>, 8(8), ISSN 2278 3075, pp 2740-2743, IF: 5.54, Scopus. • Bharati T.S. (Jun, 2019). Trust Based Security of MANETs. <i>International Journal of Innovative Technology and Exploring Engineering (IJITEE)</i>, vol.8 issue 8, ISSN 2278 3075, pp. 792-795, IF: 5.54, Scopus. • Bharati T.S. (July-Aug, 2018). MANETs and Its' Security. <i>International Journal of Computer Networks and Wireless Communication (IJCNWC)</i>, vol. 8 issue 4, pp. 166-171, ISSN 2250 3501, IF: 7.65, Sr No. in UGC CARE-List: 63076. • Taran Singh Bharati (Nov, 2017), "Agents to secure MANETs", International Journal of Advance Engineering and Research Development (IJAERD) , Vol.: 4, Issue: 11, pp. 1267-1272, ISSN(o): 2348 4470, ISSN (p): 2348 6406, IF: 4.72. • Bharati, T. S., & R. Kumar. (April, 2016). Enhanced Key Management for Mobile Adhoc Networks, International Journal of Engineering Science and Computing (IJESC), vol. 6, issue 4, pp.4184—4187, ISSN 2321 3361, IF: 5.611, UGC CARE-List. • Taran Singh Bharati , R. Kumar (Dec, 2015) . Intrusion Detection System for Manet Using Machine Learning And State Transition Analysis. International Journal of Computer Engineering & Technology (IJCET). Volume: 6, Issue:12, Pages:1-8, ISSN Print: 0976 6367, ISSN Online 0976 6375, IF 8.9958, Sr No. in UGC-list:
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	<p>45405, UGC CARE-List.</p> <ul style="list-style-type: none"> • Bharati, Taran Singh (Feb, 2015), “Enhanced Intrusion Detection System for Mobile Adhoc Networks using Mobile Agents with no Manager.” <i>International Journal of Computer Applications</i> vol. 111 issue 10, pp. 33-35, New York, USA, ISSN 0975 8887, IF 0.704. • Bharati, T.S.; Kumar, R., (March, 2015) “Secure intrusion detection system for mobile adhoc networks,” in <i>Computing for Sustainable Global Development (INDIACom)</i>, 2015 2nd International Conference on, vol., no., pp.1257-1261, 11-13 March 2015, ISSN 0973-7529; ISBN 978-93-80544-14-4.
National Level Exams Qualified:	GATE (CS/IT) (many times), UGC-NET (Computer Science and Applications) (multiple times), CDAC-G level, I I Sc. Bangalore, IIT Kanpur, IIT Kharagpur, IIT Roorkee for Ph.D. program.
Subjects Taught:	Various subjects of Computer Science i.e. Data Base Management Systems, Cryptography and Network Security, Machine Learning, Big data, Automata Theory, Compiler Design, Data structures & Algorithms, OS, Networking, Distributed Systems, Data Compression, Randomized Algorithms etc.

Place: Delhi
Bharati
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