RESUME

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Year	Institution	Degree
2013 -17	Uttarakhand Technical University, Dehradun, (Uttarakhand)	Ph D. (Computer Science & Engineering)
2011-13	Maharishi Markandeshwar Engineering College. (MMU)	M-Tech (Computer Science & Engineering)
2007-10	Institute of Engineering and Emerging Technologies, Himachal Pradesh University	B-Tech. (Information Technology)
2004-07	Govt. Polytechnic College Hamirpur, (HPTEB)	Diploma, (Information Technology)
2004	St. Mary's Convent School (CBSE)	10th (CBSE).

Memberships	ID
1) Senior Member IEEE	99090538
2) ACM Professional Member	

SNO	Journal Article	INDEXING
[1]	D. Prasad, A. Kumar, V. Sharma, and D. Prasad, "Distributed Deployment Scheme for Homogeneous Distribution of Randomly Deployed Mobile Sensor Nodes in Wireless Sensor Network," *IJACSA) International Journal of Advanced Computer Science and Applications*, vol. 4, no. 4, 2013	SCOPUS
[2]	V. Sharma, R. B. Patel, H. S. Bhadauria, and D. Prasad, "Deployment schemes in wireless sensor network to achieve blanket coverage in large-scale open area: A review," *Egyptian Informatics Journal*, vol. 17, no. 1, pp. 45–56, Mar. 2016, doi: 10.1016/J.EIJ.2015.08.003.	SCI
[3]	V. Sharma, R. B. Patel, H. S. Bhadauria, and D. Prasad, "Pneumatic Launcher Based Precise Placement Model for Large-Scale Deployment in Wireless Sensor Networks," *IJACSA) International Journal of Advanced Computer Science and Applications*, vol. 6, no. 12, 2015	SCOPUS
[4]	V. Sharma, R. B. Patel, H. S. Bhadauria, and D. Prasad, "NADS: Neighbor Assisted Deployment Scheme for Optimal Placement of Sensor Nodes to Achieve Blanket Coverage in Wireless Sensor Network," *Wirel Pers Commun*, vol. 90, no. 4, pp. 1903–1933, Oct. 2016, doi: 10.1007/S11277-016-3430-6/METRICS.	SCI
[5]	P. Dhoundiyal, V. Sharma, S. Vats, and P. Rawat, "A Progressive Hierarchical Model for Plant Disease Diagnosis," *SN Comput Sci*, vol. 6, no. 2, pp. 1–13, Feb. 2025, doi: 10.1007/S42979-024-03582-X/METRICS.	SCOPUS
[6]	S. Vikrant, P. R. B, and B. H. S, "Policy for planned placement of sensor nodes in large scale wireless sensor network," *KSII TRANSACTIONS ON INTERNET AND INFORMATION SYSTEMS*, vol. 10, no. 7, 2016, doi: 10.3837/tiis.2016.07.019.	SCI
[7]	S. Vikrant, R. B. Patel, H. S. Bhadauria, and D. Prasad, "Glider assisted schemes to deploy sensor nodes in Wireless Sensor Networks," *Rob Auton Syst*, vol. 100, pp. 1–13, Feb. 2018, doi: 10.1016/J.ROBOT.2017.10.015.	SCI
[8]	M. Bhatia, V. Sharma, P. Singh, and M. Masud, "Multi-Level P2P Traffic Classification Using Heuristic and Statistical-Based Techniques: A Hybrid Approach," *Symmetry 2020, Vol. 12, Page 2117*, vol. 12, no. 12, p. 2117, Dec. 2020,	SCI

	doi: 10.3390/SYM12122117.	
[9]	V. Sharma *et al.*, "OGAS: Omni-directional Glider Assisted Scheme for autonomous deployment of sensor nodes in open area wireless sensor network," *ISA Trans*, vol. 132, pp. 131–145, Jan. 2023, doi: 10.1016/J.ISATRA.2022.08.001.	SCI
[10]	V. Sharma *et al.*, "Incremental learning-based cascaded model for detection and localization of tuberculosis from chest x-ray images," *Expert Syst Appl*, vol. 238, p. 122129, Mar. 2024, doi: 10.1016/J.ESWA.2023.122129.	SCI
[11]	V. Sharma *et al.*, "Iterative enhancement fusion-based cascaded model for detection and localization of multiple disease from CXR-Images," *Expert Syst Appl*, vol. 255, p. 124464, Dec. 2024, doi: 10.1016/J.ESWA.2024.124464.	SCI
[12]	A. Rana, P. Rawat, S. Vats, and V. Sharma, "Heatmap-Based Deep Learning Model for Network Attacks Classification," *SN Computer Science 2024 5:8*, vol. 5, no. 8, pp. 1–12, Nov. 2024, doi: 10.1007/S42979-024-03447-3.	SCOPUS
[13]	G. Kholiya, V. Sharma, S. Vats, and V. Garg, "A heuristic based linear time O(N) novel solution to N-Queen problem," *Journal of Information and Optimization Sciences*, vol. 44, no. 6, pp. 1087–1096, 2023, doi: 10.47974/JIOS-1440.	WOS
[14]	P. Chaudhary, S. Vats, and V. Sharma, "Performance Insights of Convolutional Neural Networks Operating on Distributed Computing Platforms," *SN Computer Science 2025 6:4*, vol. 6, no. 4, pp. 1–14, Apr. 2025, doi: 10.1007/S42979-025-03893-7.	SCOPUS

Conferences

[1] V. Sharma, R. B. Patel, H. S. Bhaduria, and D. Prasad, "Policy for random aerial deployment in large scale Wireless Sensor Networks," *International Conference on Computing, Communication & Automation*, pp. 367–373, May 2015, doi: 10.1109/CCAA.2015.7148445.

[2] P. Rawat, M. Bajaj, S. Mehta, V. Sharma and S. Vats, "A Study on Cervical Cancer Prediction using Various Machine Learning Approaches," 2023 International Conference on Innovative Data Communication Technologies and Application (ICIDCA), Uttarakhand, India, 2023, pp. 1101-1107, doi: 10.1109/ICIDCA56705.2023.10099493.

[3] P. Rawat, M. Bajaj, V. Sharma and S. Vats, "A Comprehensive Analysis of the Effectiveness of Machine Learning Algorithms for Predicting Water Quality," 2023 International Conference on Innovative Data Communication Technologies and Application (ICIDCA), Uttarakhand, India, 2023, pp. 1108-1114, doi: 10.1109/ICIDCA56705.2023.10099968.

[4] Dolli, P. Rawat, M. Bajaj, S. Vats and V. Sharma, "An Analysis of Crop Recommendation Systems Employing Diverse Machine Learning Methodologies," 2023 International Conference on Device Intelligence, Computing and Communication Technologies, (DICCT), Dehradun, India, 2023, pp. 619-624, doi: 10.1109/DICCT56244.2023.10110085.

[5] P. Rawat, M. Bajaj, S. Vats and V. Sharma, "ASD Diagnosis in Children, Adults, and Adolescents using Various Machine Learning Techniques," 2023 International Conference on Device Intelligence, Computing and Communication Technologies, (DICCT), Dehradun, India, 2023, pp. 625-630, doi: 10.1109/DICCT56244.2023.10110166.

[6] Agarwal, S. Vats, R. Agarwal, A. Ratra, V. Sharma and L. Gopal, "Sentiment Analysis in Stock Price Prediction: A Comparative Study of Algorithms," 2023 10th International Conference on Computing for Sustainable Global Development (INDIACom), New Delhi, India, 2023, pp. 1403-1407.

[7] Agarwal, S. Vats, R. Agarwal, A. Ratra, V. Sharma and A. Jain, "Efficient NetB3 for Automated Pest Detection in Agriculture," 2023 10th International Conference on Computing for Sustainable Global Development (INDIACom), New Delhi, India, 2023, pp. 1408-1413.

[8] M. Bajaj, P. Rawat, Diksha, S. Vats, V. Sharma and L. Gopal, "Prediction of Mental Health Treatment Adherence using Machine Learning Algorithms," 2023 International Conference

on Computational Intelligence, Communication Technology and Networking (CICTN), Ghaziabad, India, 2023, pp. 716-720, doi: 10.1109/CICTN57981.2023.10141520.

[9] P. Rawat, M. Bajaj, S. Vats, V. Sharma, L. Gopal and R. Kumar, "Optimizing Hypothyroid Diagnosis with Physician-Supervised Feature Reduction using Machine Learning Techniques," 2023 International Conference on Computational Intelligence, Communication Technology and Networking (CICTN), Ghaziabad, India, 2023, pp. 711-715, doi: 10.1109/CICTN57981.2023.10140459.

[10] P. Rawat, M. Bajaj, P. Prerna, S. Vats, V. Sharma and P. Das, "A Study on Liver Disease Using Different Machine Learning Algorithms," 2023 International Conference on Computational Intelligence, Communication Technology and Networking (CICTN), Ghaziabad, India, 2023, pp. 721-727, doi: 10.1109/CICTN57981.2023.10141325.

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Conference Organized

S No.	Title	Publisher	Year
1.	3rd International Conference on Automation & Computation (AutoCom-25): **Convener (SERB Sponsored)**	IEEE Xplore	2025
2.	1st International Conference on Cybernation & Computation (CyberCom-24): **Convener (DRDO Sponsored)**	IEEE Xplore	2024
3.	2nd International Conference on Automation and Computation (AutoCom-24): **Convener (SERB Sponsored)**	IEEE Xplore	2024
4.	1st International Conference on Automation and Computation (AutoCom-22): **Convener (DRDO Sponsored)**	CRC-Press (Taylor & Francis)	2022

Books Edited

S No.	Book Title	Publisher
1	Automation and Computation	CRC- Press (Tayloar and Francis)
2	A Practitioner's Approach to Problem-Solving using AI	Bentham Science Publishers (Scopus Indexed) https://doi.org/10.2174/9789815305364124010l

Reviewer and Editorial Member

S No.	
1	SN Computer Science (Springer Nature)
2	ISA Transactions (SCI/SCIE Indexed)
3	Wireless Personal Communication (Springer, SCI)
4	Journal of Information and Optimization Sciences
5	Frontires in Oncology

Patents Granted

S No.	Title of Invention	Patent No.	Application No	Date	Type
1	A Centrifugal Cannon based Sprinkler (CSS) System mounted on deployment helicopter and methods thereof	425078	20181101004 A	6-Apr-2018	**Utility**
2	Splash Protection System for Camera	350640001			**Design**
3	Camera Lens Protection Kit	451983	202211009261	15-Sept-2023	**Utility**
4	A multi-node system and a method For big data analytics	462171	202131000115	26/10/2023	**Utility**

Patents Published			
S No.	**Title of Invention**	**Application No**	**Publication Date**
1	Glider assisted system for precise and efficient deployment of sensor nodes in wireless sensor networks	201811042951 A	30-Nov-2018
2	Multi-Disease classifier and localizer for chest X-ray.	202211004393 A	04-Feb-2022
3	Distributed platform-based model for identification and classification of body part from X-ray	202211012525 A	18-Mar-2022
4	An air quality improvement system using air conditioners	202211022904 A	22-Apr-2022
5	A System for water management and quality assurance.	202211026084 A	13-May-2022
6	A system and method based on incremental learning-based cascaded model	202211034957 A	17-June-2022
7	Distributed platform based model for identication and classsification of body part from x-ray	202211012525 A	18-Mar-22
8	Air shield-based camera lens guard for dirt protection	202211057008 A	14-Oct-2022
9	Star-brain: a brain game	202211057011 A	14-Oct-2022
10	Manual espresso brewer	202311004209 A	27-Jan-2023
11	Lung infection identification using heatmap	202311004206 A	27-Jan-2023
12	Leveraging iot, automating homes from mobile devices & gesture	202311004211 A	27-Jan-2023
13	A multi-node system and a method for big data analytics	202131000115	12-Feb-2021
14	ACTIVE REAR VIEW MIRROR CLEANER	202411049363	12-07-2024
15	Proximity Based Attendance Manager	202411049364	12-07-2024
16	Adaptive Tire Pressure Control System For Enhanced Efficiency and Safety	202411049370	12-07-2024
17	ARMREST MOUNTED VEHICLE CONTROLLER (AMVC)	202411000600	02/02/2024
18	INVERTED CONICAL GLIDER FOR PRECISE PLACEMENT OF PAYLOADS ON GROUND	202311053278	01/09/2023
19	Network Attack Classification Using Heat Map and Method Thereof	202411039469	31-05-2024

Experience					
S No.	**Institute**	**Designation**	**Date of joining**	**Date of leaving**	**Duration**
1	Lovely Professional University, Punjab	Assistant Professor	20-07-2018	31-07-2021	3 Years
2	Graphic Era Hill University, Dehradun	Assistant Professor	23-08-2021	Still Working	4 Years
Total					7 Years

PhD. Scholars Guidance	
Under Supervision	2
Awarded	1

Achievements	
S No.	
1	State Board Topper in Information Technology in 3 Years Diploma Course

2	Best Project award for major project in diploma
3	Best Project award for developing a robotic arm in BTech
4	2nd Position in University in MTech
5	Received Research Achievement Award in 2024
6	C-Certificate in NCC

Personal Information

Name: Dr. Vikrant Sharma
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