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Publication - Book Chapter

Sr. No.	Year of publication	Name of the author(s)	Title of Book chapter	Title of Book	ISBN No	Publisher IEEE/ Springer/ ACM/ Elsevier / Other / NA	National/ International
1	2025	Dr. Mubina Saifee	Brand Advocacy and Marketing Strategies in Green Economy for sustainable Future: Harnessing Hydrogen Power	Leveraging AI for Innovative Sustainable Energy	9798337300450	IGI Global	International
2	2025	Dr. Reena Thakur	From Screens to Classrooms- A Comprehensive Study of E-Learning, M-Learning, and Face-to-Face Learning	Cloud Computing for Smart Education and Collaborative Learning”	ISBN 9781003472537	Taylor & Francis	International
3	2025	Dr. Reena Thakur	Usage of IoT, Artificial Intelligence, and Machine Learning with HPC Issues, Challenges, and a Case Study	Parallel and High-Performance Computing in Artificial Intelligence	9781003472537	Taylor & Francis	International
4	2025	Anurag Karande, Amar kawale, Vandita Shahu, Sanjay Sajjanwar	Design and development of automatic shoe cleaning and polishing machine	Technological Innovations & Applications in Industry 4.0,	9781003567653	Taylor & Francis	International
5	2025	Bhushan Deshmukh, Prakash Dhopte, Safal Shambharkar, Pravin	Design and Development of portable Briquette machine	Technological Innovations & Applications in Industry 4.0,	9781003567653	Taylor & Francis	International
6	2025	Rahul Waghmare, Vandita Shahu, Prakash Dhopte, Safal Shambharkar, Pravin Petkar, Sanjay Sajjarwar, Anurag Karande, Bhushan Deshmukh, Amar Kawale	Innovative approaches to water tank cleaning: a design of modern water tank cleaning machine	Technological Innovations & Applications in Industry 4.0,	9781003567653	Taylor & Francis	International
7	2025	Lata Lodhi	A Study of Drivers and Barriers of Green Supply Chain Management Practices in the Context of Developing Framework for SMEs	Leveraging AI for Innovative Sustainable Energy	9798337300450	IGI Global PUBLISHERS	International
7	2024	Dr. Reena Thakur	Innovative Solutions for Sustainable Medical Services: A Look into Quantum and Blockchain Technologies	Quantum and Blockchain-based Next Generation Sustainable Computing	ISBN: 978-3-031-58067-3,	Springer	International
8	2024	Dr. Nisha Balani and Dr. Mona Mulchandani	Integrative Approaches for Understanding and Characterizing ADHD: Insights From Multimodal Data, Virtual Reality, Longitudinal Studies, and Deep Phenotyping.	Intelligent Solutions for Cognitive Disorders	979836931091	IGI Global	International
9	2024	Reena Thakur and Madhavi Wairagade	AI and ML in the Treatment of Cardiovascular Diseases	Computational Approaches in Biomaterials and Biomedical Engineering Applications	9781032635309	Taylor and Francis	International
10	2024	Reena Thakur	Use of AI and Machine Learning for Analysis of Cellular Images in Breast Cancer	Computational Approaches in Biomaterials and Biomedical Engineering Applications	9781032635309	Taylor and Francis	International
11	2024	Uma Thakur	Multimodal Analysis of the Neurological Spectrum	Social Determinants Trends in Cognitive Analysis of Healthcare Analytics Using Artificial Intelligence	979-8-89113-774-5	Nova Science Publisher	International

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12	2024	Dr.Sweta Raut	Ensemble Learning and Blockchain-Driven Pharmaceutical Supply Chain Optimization	Blockchain-Enabled Solutions for the Pharmaceutical Industry	9781394287932 Online ISBN:9781394287970	Wiley Online Publishing	International
13	2023	Reena Thakur	An Application Of Generative Adversarial Network In Natural Language Generation	Generative Adversarial Networks and Deep Learning Theory and Applications	9781032068107	CRC Press	International
14	2023	Reena Thakur and Dr. Uma Thakur	DATA MINING & WAREHOUSING	DATA MINING & WAREHOUSING	9789391322175	Alliance & CO Publisher	National
15	2023	Dr. Nilesh Shelke	Knowledge Representation and Artificial Intelligence: ML, DL	Knowledge Representation and Artificial Intelligence: ML, DL	9789355744630	Walnut Publications, Odisha	International
17	2023	Dr. Reena Thakur	Machine Learning and Deep Learning Techniques	Machine Learning and Metaheuristics: Methods and Analysis	978-981-99-6645-5	Springer	International
18	2023	Dr. Reena Thakur	Role of AI in IOT , Application and Future Trends	Machine Learning and Metaheuristics: Methods and Analysis	978-981-5136-44-9	Bentham Science Publisher	International
19	2022	Reena Thakur	Machine Learning Techniques Applied To Extract Object From Images: Research Issues Challenges And A Case Study	Artificial Intelligence in Cyber Physical Systems Principles and Applications, 2023	9781032164830	CRC Press	International
20	2022	Reena Thakur	Smart Society 5.0 For Social And Technological Sustainability	Decision Analytics for sustainable Development in smart society 5.0	9781032164830	Springer	International
21	2022	Dr. Nilesh Shelke	Handbook Of Research On Machine Learning Foundations And Applications	Prediction and Analysis of Heritage Monuments Images Using Machine Learning Techniques	9781003277330	CRC Press	International
22	2022	Dr. Sohel Bhura	Cyberattack Detection System Using Machine Learning	Artificial Intelligence Cyberattack Detection System to Improve Threat Reaction in e-Health	9789355451156	Nanya Press, Delhi	International
23	2022	Dr. Nilesh Shelke	Introduction To Artificial Intelligence And Machine Learning	Introduction to Artificial Intelligence and Machine Learning, 1st Edition	9789395405690	Alpha International Publication	International
24	2022	Dr. Uma Thakur	Implementation Of Conflict Prediction Model On Highways Through Deep Learning	Recent Advances in Medicine Engineering, Education and Managemnet Vol-1	97893945210302	Esdiyem Publication, Tamilnadu	National
25	2022	Reena Thakur	Research Aspects of Machine Learning: Issues, Challenges and Future Scope	Design of Intelligent Applications using Machine Learning and Deep Learning Techniques	9780367679798	CRC Press Taylor and Francis	International
26	2022	Reena Thakur & Dr. Pradnya Borkar	Challenges in Industry 4.0 for Machine Vision: A Conceptual Framework, A Review, and Several case studies	Machine vision for Industry 4.0	9780367637125	Wiley	International
27	2021	Reena Thakur	Machine learning and Deep learning for intelligent and smart applications	Future trends in 5G and 6G	9781032006826	CRC Press, Scopus	International

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28	2021	Reena Thakur & Dr. Pradnya Borkar	Fog Computing: Architecture, Issues, Challenges, Applications and Case Study	Computing Technologies and Applications	9780367763701	CRC Press Taylor and Francis	International
29	2021	Reena Thakur, Muskan Qureshi	Smart vehicle monitoring and control using IoT and Machine Learning-A case Study	Computing Technologies and Applications	9780367763701	CRC Press Taylor and Francis	International
30	2021	Reena Thakur & Dr. Pradnya Borkar	Smart Environment Monitoring Models Using Cloud-Based Data Analytics: A Comprehensive Study	Machine Learning Approach for Cloud Data Analytics in IoT	978-1-119-78580-4	Scrivener Publishing, Wiley Group	International
31	2021	Dr. Debashish Bhowmick and Dr. Indrani Das Sarma	Micro Learning: An Effective E learning Resource with poor Net Connectivity	Virtual and Classroom Learning in Higher Education: A Guide to Effective online Teaching	Hardbound ISBN: 9781681089294 Ebook ISBN: 9781681089287	Bentham Science, Sharjah, UAE	International
32	2021	Amar Kawale	Rejection: Major Concern for a Cast Iron Foundry	Advances in Interdisciplinary Research in Engineering and Business Management	ISSN 2522-5162 ISSN 2522-5170 (electronic) ISBN 978-981-16-0036-4 ISBN 978-981-16-0037-1 (eBook)	Springer Nature Singapore Pte Ltd. 2021	International
33	2021	Dr. Pradnya Borkar,	The Replacement of HMI (Human-Machine Interface) in Industry Using Single Interface ThroughIoT	Examining the impact of Deep Learning and IoT on MultiIndustry Applications	9781799875116	IGI-Global Publisher of Timely Knowledge, Hershey, PA 17033, USA	International
34	2021	Ms.Monali Gulhane	Oriented Approaches for Brain Computing and Human Behavior Computing Using Machine Learning	Analysis of medical modalities for improved diagnosis in modern healthcare	9780367705367	CRC Press book	International
35	2021	Mr.Amar Kawale	Rejection:Major Concern for a Cast Iron Foundry	Advances in Interdisciplinary Research in Engineering and Business Management	9789811600371	Springer	International