



List of journal papers published

Sr.No.	Paper Details
1.	Suthar, F., & Patel, B. (2024). <i>Unlocking student potential: Leveraging machine learning for personalized learning and improved educational outcomes</i> . <i>GIS Science Journal</i> , 11(7), 237–254.
2.	Suthar, F., & Patel, B. (2024). <i>Reinforcement learning strategies for enhancing the Indian education system: A comparative approach</i> . <i>Journal for Basic Sciences</i> , 24(7), 278–291.
3.	Patel, J., Patel, M., & Chauhan, J. (2024). <i>Analysis of machine learning algorithms for fingerprint liveness detection</i> . <i>International Journal of Electrical and Electronics Engineering (IJEEE)</i> , 24(12), 197–205.
4.	Patel, M., Raval, D., Patel, D., & Chauhan, Y. (2025). <i>A comprehensive deep learning model for improved person re-identification using multi-camera streaming pipeline</i> . <i>Procedia Computer Science</i> , 258, 455–466. https://doi.org/10.1016/j.procs.2025.04.281
5.	Gupta, P., Parikh, S. M., & Patel, M. B. (2025). <i>Deep diving into traditional machine learning and deep learning models applicable for mergers and acquisitions</i> . <i>University Journal of Research: Computer Science and Applications (UJRCSA)</i> , 1. https://www.ganpatuniversity.ac.in/ujrcsa/volume/pid-16.pdf
6.	Gupta, P., Parikh, S. M., & Patel, M. B. (2025). <i>A novel approach to predict European mergers using machine learning algorithm</i> . <i>European Economic Letters</i> , 15(2). https://doi.org/10.52783/eel.v15i2.3347
7.	Patel, K. D., & Patel, A. M. (n.d.). <i>Context-aware recommendation systems using deep learning</i> . <i>Computer Research and Development</i> .
8.	Patel, A. (n.d.). <i>Optimizing water quality assessment through deep learning and feature selection techniques</i> . <i>Computer Research and Development</i> .
9.	Patel, A. (n.d.). <i>Approaches to sentiment analysis in product reviews: A holistic review with performance benchmarking</i> . <i>Journal for Basic Sciences</i> .
10.	Raval, M., Dave, S., Patel, K. C., & Goswami, S. A. (2024). <i>Enhancing user experiences: Memory retention and recall in AI chatbots</i> . <i>Computer Research and Development</i> .

11.	Patel, A., Patel, B., Patel, H., & Patel, A. (2025). <i>Approaches to sentiment analysis in product reviews: A holistic review with performance benchmarking</i> . <i>Journal for Basic Sciences</i> .
12.	Bhavsar, K., & Patel, A. (2024). <i>AI-driven dentistry: Revolutionizing concepts, enhancing applications, and addressing challenges</i> . <i>Journal for Basic Sciences</i> .
13.	Patel, A., Bhavsar, K., Patel, K., & Suthar, A. (2024). <i>Advance analyzes for blockchain legal issues in India</i> . <i>Computer Research and Development</i> .
14.	Prajapati, H. R., Patel, K. D., & Patel, A. M. (2025). <i>Context-aware recommendation systems using deep learning</i> . <i>Computer Research and Development</i> .
15.	Patel, K. C., Goswami, S. A., Dave, S., Patel, A., & Padhya, B. (2025). <i>EVCS under siege: The man-in-the-middle threat</i> . <i>University Journal of Research: Computer Science and Applications (UJRCSA)</i> .
16.	Patel, A., Patel, B., Patel, H., & Patel, A. (2025). <i>Approaches to sentiment analysis in product reviews: A holistic review with performance benchmarking</i> . <i>Journal for Basic Sciences</i> .
17.	Patel, H., Patel, A., & Patel, A. (2025). <i>Security and insight: Federated learning applications in AI-powered healthcare</i> . <i>Journal for Basic Sciences</i> .
18.	Patel, A., Bhavsar, K., Patel, K., & Suthar, A. (2024). <i>Advance analyzes for blockchain legal issues in India</i> . <i>Computer Research and Development</i> , 24(12).
19.	Prajapati, H. R., Patel, K. D., & Patel, A. M. (2025). <i>Context-aware recommendation systems using deep learning</i> . <i>Computer Research and Development</i> .
20.	Patel, M., Raval, D., Patel, D., & Chauhan, Y. (2025). <i>A comprehensive deep learning model for improved person re-identification using multi-camera streaming pipeline</i> . <i>Procedia Computer Science</i> . https://www.sciencedirect.com/science/article/pii/S1877050925013833
21.	Patel, M., Patel, R., & Parikh, S. M. (2023). <i>Fingerprint image enhancement using a composite algorithm Gaussian mask and Sobel convolution</i> . <i>International Journal of Advanced Science and Computing Applications</i> , 15(2), 278–288.
22.	Suthar, F., & Patel, B. (2023). <i>Framework to evaluate and improve educational processes in Indian schools and universities using machine learning</i> . <i>Frontiers in Education</i> , 11(10), 137–143.
23.	Chauhan, J., Parikh, S. M., & Patel, A. M. (2023). <i>LCTIOT: Lightweight encryption algorithm for secure Internet of Things</i> . <i>Indian Journal of Engineering & Materials Sciences</i> , 53(9), 278–289.
24.	Chaubey, N., et al. (2023). <i>Towards a dedicated social media and groupware for effective communication during the Nyiragongo volcanic crisis</i> . <i>Procedia Computer Science</i> , 224(C), 443–449. https://doi.org/10.1016/j.procs.2023.09.062
25.	Patel, C., Patel, S., Padhya, K., & Umraniya, V. (2023). <i>Disease detection of plants with machine learning supervised approaches: Assessment</i> . <i>Journal for Basic Sciences</i> , 23(12), 651–657. https://drive.google.com/file/d/1smSsJzWLaerMY2LZ1ajvpxixOuQHNhP3/view
26.	Chaubey, N., et al. (2024). <i>SMAIOT-FERTI: A smart cropland monitoring and optimal fertigation IoT system</i> . <i>International Journal of Information Technology</i> , 16(3), 2253–2261. https://doi.org/10.1007/s41870-024-01731-2
27.	Gurjar, A. P., & Parikh, S. (2024). <i>Machine learning-powered comparative analysis of autism diagnosis tools: Enhancing effectiveness</i> . <i>Indian Journal of Natural Sciences</i> .
28.	Gurjar, A., Patel, J., Patel, H., & Parikh, S. (2024). <i>Ensemble methods to produce improved machine learning results</i> . <i>International Journal of Advances in Electronics and Computer Science (IJA ECS)</i> .
29.	Patel, K. C., Goswami, S. A., Dave, S. A., & Patel, A. (2024). <i>Crippling connectivity: Unveiling the network disruption potential of vehicular rogue access points</i> . <i>International Journal of Scientific Research in Computer Science, Engineering and Information Technology</i> .

30.	Raval, M., Dave, S., Patel, K. C., & Goswami, S. A. (2024). <i>Enhancing user experiences: Memory retention and recall in AI chatbots</i> . <i>Computer Research and Development</i> , 24(7).
31.	Padhya, B. P., & Dharwa, J. N. (2023). <i>A secure health monitoring model for prediction of heart disease detection using machine learning</i> . In <i>ICTCS 2023</i> . Springer. https://link.springer.com/book/10.1007/978-981-99-9486-1
32.	Patel, A., Patel, H., Patel, K., & Patel, B. (2023). <i>A systematic study on fake review detection approaches on e-commerce platforms</i> . In <i>ASCIS 2023</i> . Springer. https://doi.org/10.1007/978-3-031-58604-0_25
33.	Patel, A., Patel, H., & Patel, B. (2023). <i>Comparative analysis of machine learning algorithms for conducting sentiment analysis on product reviews derived from social media data</i> . In <i>Proceedings of the ICAC3N 2023</i> . IEEE. https://doi.org/10.1109/ICAC3N60023.2023.10541732
34.	Patel, A., Patel, H., & Patel, B. (2024). <i>Streamlined data preprocessing techniques for sentiment analysis of social media data</i> . <i>GIS Science Journal</i> .
35.	Patel, K., Patel, A., Patel, B., & Patel, R. (2023). <i>A comparative analytics for dynamic load balancing mechanisms intended to improve task scheduling in cloud computing</i> . In <i>Proceedings of the Second International Conference on ASCIS 2023</i> . Springer. https://doi.org/10.1007/978-3-031-59100-6_26
36.	Bhavsar, K., Patel, A., Patel, K., & Patel, R. (2023). <i>Exploring data ownership in Web 2.0 and Web 3.0 with the integration of blockchain technology</i> . In <i>Proceedings of the Second International Conference on ASCIS 2023</i> . Springer. https://doi.org/10.1007/978-3-031-59100-6_27
37.	Goswami, S. A., & Patel, K. D. (2023). <i>Network security for IoT device using blockchain technology</i> . In <i>Proceedings of the 14th International Conference on Computing, Communication and Networking Technologies (ICCCNT)</i> . IEEE. https://doi.org/10.1109/ICCCNT56998.2023.10308186
38.	Suthar, F. A., & Patel, B. (2023). <i>Analysis of the best strategy for education process using descriptive analytics and prescriptive analytics for school education</i> . <i>Journal of Xidian University</i> , 17(3).
39.	Suthar, F. A., & Patel, B. (2023). <i>Analysis of the best strategy for education process using descriptive analytics and prescriptive analytics for higher education</i> . <i>Journal for Basic Sciences</i> , 23(3).
40.	Suthar, F. A., & Patel, B. (2023). <i>Strategy for achieving quality and excellence in higher education</i> . <i>Gradiva Review Journal</i> , 8(7).
41.	Chauhan, J. A., Parikh, S. M., et al. (2023). <i>The scrutiny on critical infrastructure owners referencing privacy violating towards with the open-source intelligence threat evaluation framework</i> . <i>International Journal of Advanced Networking and Applications</i> .
42.	Patel, M., Patel, R., & Vora, B. (2023). <i>Recommending product based on customer review from e-commerce website</i> . <i>Gradiva Review Journal</i> , 8(6).
43.	Chaubey, N. (2023). <i>Realizing the quantum relative entropy of two noisy states using the Hudson–Parthasarathy equations</i> . <i>International Journal of Advanced Computer Science and Applications</i> , 14(2), 648–655. https://doi.org/10.14569/IJACSA.2023.0140275
44.	Chaubey, N. (2023). <i>A comprehensive comparative analysis of passenger demand prediction for improving the urban bus transportation system (UBTS)</i> . <i>SSRG International Journal of Engineering Trends and Technology</i> . https://doi.org/10.14445/22315381/IJETT-V70I9P227
45.	Chaubey, N. (2022–2023). <i>PARIVAHAN: Passenger demand triggered bus (VAHAN) routing in intelligent public transport system</i> . Indian Journal of Computer Science and Engineering . https://ijcse.com
46.	Chaubey, N. (2022–2023). <i>An effective demand based optimal route generation in transport system using DFCM and ABSO approaches</i> . International Journal of Advanced Computer Science and Applications , 2156-5570. https://doi.org/10.14569/issn.2156-5570

47.	Chaubey, N. (2022–2023). <i>Intelligent passenger demand prediction-based rerouting for comfort perception in public bus transport systems</i> . International Journal of Communication Systems . https://doi.org/10.1002/dac.5351
48.	Patel, C. D. (2022–2023). <i>Assortment of machine learning model on Gujarati web page sets</i> . Gradiva Review Journal , 8(7), 1081–1087. ISSN 0363-8057.
49.	Chaubey, N. (2022–2023). <i>Detection of Sybil attack by predicting traffic and analyzing network performance in VANET</i> . International Journal of Electrical and Computer Engineering , 12(2), 1703–1710. https://doi.org/10.11591/ijece.v12i2.pp1703-1710
50.	Chaubey, N. (2022). <i>Detection of Sybil attack by predicting traffic and analyzing network performance in VANET</i> . <i>International Journal of Electrical and Computer Engineering</i> , 12(2), 1703–1710. https://doi.org/10.11591/ijece.v12i2.pp1703-1710
51.	Suthar, A., Patel, H. R., & Parikh, S. (2022). <i>Comparative analytical study to predict the stock signal to determine maximize the profit</i> . Gradiva Review Journal . ISSN 0363-8057
52.	Darji, D. N., Parikh, S. M., & Patel, H. R. (2022). <i>Newstweets based intraday stock movement prediction using Spark NLP and machine learning</i> . GIS Science Journal . ISSN 1869-9391.
53.	Patel, M., Patel, R., & Parikh, S. M. (2022). <i>Fingerprint image enhancement using a composite algorithm Gaussian mask and Sobel convolution</i> . International Journal of Advanced Soft Computing and Applications , 15(2). Print ISSN 2710-1274; Online ISSN 2074-8523. http://www.i-csrs.org/ijasca/index.html
54.	Chauhan, J., Parikh, S. M., & Patel, A. M. (2022). <i>LCTIOT: Lightweight encryption algorithm for secure Internet of Things</i> . Anvesak: A Bi-Annual Journal , 53(9(I)). ISSN 0378-4568. https://www.spiesr.ac.in/Anvesak/Current+Issue
55.	Patel, C., Patel, S., Padhya, K., & Umraniya, V. (2023). <i>Dieses detection of plant with machine learning supervised approaches: Assessment</i> . Journal for Basic Sciences , 23(12). ISSN 1006-8341.
56.	Gurjar, A., Patel, M., & Parikh, S. (2023, May). <i>A review of machine learning approaches used in autism diagnosis</i> . POSITIF Journal .
57.	Padhya, B., & Dharwa, J. (2023, March). <i>A comparative analysis of ECG sensors for measuring blood pressure and heartbeat in real time and its selection method</i> . JICR Journal .
58.	Patel, B., & Goswami, S. A. (2021, April). <i>Realtime object's size measurement from distance using OpenCV and LiDAR</i> . Turkish Journal of Computer and Mathematics Education .
59.	Patel, K. C., & Patel, A. (2022, December). <i>Recognition of rouge access point using machine learning approach</i> . International Journal of Creative Research Thoughts , 10(12). ISSN 2320-2882.
60.	Goswami, S. A., & Patel, K. D. (2022, March). <i>The taxonomy of IoT protocols, standards, functional blocks and enabling technologies</i> . International Journal of Computer Applications . https://www.ijcaonline.org/

List of Conference papers published

Sr.No.	Paper Details
1.	Chaubey, N., et al. (2025). <i>Design and performance analysis of high efficiency propulsion system for VTOL applications</i> . In Proceedings of the International Conference on Revitalising and Rejuvenating Bhartiya Knowledge System for Making Bharat Vishwaguru by 2047 (e-ISBN 978-3-031-75169-1). Springer. https://link.springer.com/book/10.1007/978-3-031-75170-7
2.	Chaubey, N., et al. (2025). <i>Traveler's demand reactive dynamic online bus routing (TRADER-DOBR) to improvize comfort perception in intelligent public transport system</i> . In Proceedings of the International Conference on Revitalising and Rejuvenating Bhartiya Knowledge System for Making Bharat Vishwaguru by 2047 (e-ISBN 978-3-031-75169-1). Springer. https://link.springer.com/book/10.1007/978-3-031-75170-7
3.	Chaubey, N., et al. (2025). <i>IoT-based convolutional neural networks in a farm pest detection using transfer learning</i> . In Proceedings of the International Conference on Revitalising and Rejuvenating Bhartiya Knowledge System for Making Bharat Vishwaguru by 2047 (e-ISBN 978-3-031-75169-1). Springer. https://link.springer.com/book/10.1007/978-3-031-75170-7
4.	Chaubey, N., et al. (2025). <i>Detection and prevention of black hole attack and Sybil attack in vehicular ad hoc networks</i> . In Proceedings of the International Conference on Revitalising and Rejuvenating Bhartiya Knowledge System for Making Bharat Vishwaguru by 2047 (e-ISBN 978-3-031-75169-1). Springer. https://link.springer.com/book/10.1007/978-3-031-75170-7
5.	Patel, M., et al. (2025). <i>Arjun's infallible aim: Computer vision for precision targeting in robotics</i> . In Proceedings of the International Conference on Revitalising and Rejuvenating Bhartiya Knowledge System for Making Bharat Vishwaguru by 2047 (ISBN 978-81-969483-9-9).
6.	Chavda, V. (2023, December 8–9). <i>Review on boosting online advertising ROI: Using machine learning</i> . In <i>Proceedings of the 2nd International Conference on Advancements in Smart Computing & Information Security (ASCIS 2023)</i> . Faculty of Computer Applications, Marwadi University, Rajkot, Gujarat, India, in collaboration with Springer CCIS and Science and Engineering Research Board (Department of Science and Technology, Government of India).
7.	Suthar, F., Padhya, K., Joshi, R., Parikh, S., Panthakkan, A., & Mansoor, W. (2023, November 8–9). <i>An extensive evaluation of plant disease detection using diverse machine learning approaches</i> . In <i>Proceedings of the 6th International Conference on Signal Processing and Information Security (ICSPIS)</i> . University of Dubai, Academic City, Dubai, United Arab Emirates. https://ieeexplore.ieee.org/document/10343735
8.	Patel, A., & Patel, K. D. (2023, December 8–9). <i>A systematic study on fake review detection approaches on e-commerce platforms</i> . In <i>Proceedings of the 2nd International Conference on Advancements in Smart Computing and Information Security (ASCIS 2023)</i> . Marwadi University, Rajkot, Gujarat, India.
9.	Patel, M., et al. (2024, March 22–23). <i>Arjun's infallible aim: Computer vision for precision targeting in robotics</i> . In <i>Proceedings of the International Conference on Revitalising and Rejuvenating Bhartiya Knowledge System for Making Bharat Vishwaguru by 2047</i> . Ganpat University, Gujarat, India.
10.	Patel, C. D., Joshi, R., & Chaudhary, N. (2024, March 22–23). <i>The wisdom of interconnectedness: Leveraging Bhartiya Pragya for artificial intelligence and machine learning era</i> . In <i>Proceedings of the International Conference on Revitalising and Rejuvenating Bhartiya Knowledge System for Making Bharat Vishwaguru by 2047</i> . Ganpat University, Gujarat, India.
11.	Patel, M., Raval, D., Nayi, V., & Shirwani, P. (2024, May 3–4). <i>A novel deep learning model for real-time vehicle number plate recognition and tracking with YOLOv5</i> . In <i>Proceedings of Shodh Shikhar 2024 – International Research and Innovation Conference (Anushodhan Category)</i> . RNTU, Bhopal, Madhya Pradesh, India.
12.	Patel, M., Raval, D., Patel, D., & Chauhan, Y. (2024, May 3–4). <i>A cutting-edge machine learning model for crowd surveillance using YOLOv8</i> . In <i>Proceedings of Shodh Shikhar 2024 – International Research and Innovation Conference (Anushodhan Category)</i> . RNTU, Bhopal, Madhya Pradesh, India.

13.	Patel, M., Raval, D., & Patel, D. (2024, May 3–4). <i>Indoor air quality improvement using air-purifying plants with machine learning</i> . In <i>Proceedings of Shodh Shikhar 2024 – International Research and Innovation Conference (Anushodhan Category)</i> . RNTU, Bhopal, Madhya Pradesh, India.
14.	Chavda, V., Patel, M. B., & Patel, S. (2024, January 30). <i>Review on detecting ad fraud in digital marketing using machine learning techniques</i> . In <i>Proceedings of the International Conference on Computer Science and Industrial Electronics (ICCSIE-2024)</i> . Industrial Electrical and Electronics Engineers Forum. Online, Ahmedabad, India.
15.	Patel, S. B., Dharwa, J., & Patel, C. D. (2024, May 21–22). <i>Predicting voter behavior and sentiments in Indian General Election–2024 using big data</i> . In <i>Proceedings of the International Conference on Computer Science, Machine Learning and Big Data</i> . Online Conference, Rajkot, India.
16.	Patel, S. B., Dharwa, J., & Patel, C. D. (2024, May 25). <i>Harnessing Twitter: Sentiment analysis for predicting election outcomes in India</i> . In <i>Proceedings of the International Conference on Multidisciplinary Approach in Engineering, Technology and Management for Sustainable Development: A Roadmap for Viksit Bharat @ 2047 (ICMAETM-24)</i> . SPU, Gujarat, India.
17.	Chauhan, J. A., et al. (2024, April 4–5). <i>The impact of generative AI in modern education system in India</i> . In <i>Proceedings of the International Conference on Information and Communication Technology for Intelligent Systems</i> . Global Knowledge Research Foundation. Renaissance Ahmedabad Hotel, India.
18.	Chaubey, N. (2024, February 6–7). <i>Performance evaluation of VBF, DBR and modified CARP for underwater acoustic sensor network</i> . In <i>Proceedings of the International Conference on Computing Science, Communication and Security (2023)</i> . Ganpat University, Gujarat, India. https://link.springer.com/chapter/10.1007/97
19.	Chauhan, J. A., Parikh, S. M., et al. (2022, November 24–26). <i>An analysis of lightweight cryptographic algorithms for IoT applications</i> . In <i>Proceedings of the 1st International Conference on Advancements in Smart Computing and Information Security (ASCIS 2022)</i> . Marwadi University, Rajkot, Gujarat, India. ISBN 978-3-031-23095-0.
20.	Patel, M. B., Patel, R. B., Parikh, S. M., & Patel, J. (2022). <i>An improved approach in core point detection for secure fingerprint authentication system</i> . In <i>Proceedings of the 6th International Springer Conference on Information and Communication Technology for Intelligent Systems</i> . Springer. Electronic ISSN 2190-3026; Print ISSN 2190-3018.
21.	Patel, M. B., Parikh, S. M., & Dasondi, H. (2022). <i>A proposed blockchain-based model for online social network to detect suspicious accounts</i> . In <i>Proceedings of the 6th International Springer Conference on Information and Communication Technology for Intelligent Systems</i> . Springer. Electronic ISSN 2190-3026; Print ISSN 2190-3018.
22.	Patel, M. B., Patel, A., & Patel, B. (2022). <i>A proposed sentiment analysis model for product reviews on social media</i> . In <i>Proceedings of the 4th IEEE International Conference on Advances in Computing, Communication Control and Networking</i> . IEEE. Electronic ISBN 978-1-6654-7436-8; Print ISBN 978-1-6654-7437-5.
23.	Patel, M. B., Patel, S., & Patel, S. (2022). <i>Data analysis in shopping mall data using K-means clustering</i> . In <i>Proceedings of the 4th IEEE International Conference on Advances in Computing, Communication Control and Networking</i> . IEEE. Electronic ISBN 978-1-6654-7436-8; Print ISBN 978-1-6654-7437-5.
24.	Chaubey, N. (2022). <i>Performance analyses of black hole attack in AODV routing protocol in VANET using NS3</i> . In <i>Proceedings of the International Conference on Advancements in Smart Computing and Information Security</i> . Springer. ISBN 978-3-031-23095-0; Series Online ISSN 1865-0937.
25.	Suthar, F., Padhya, K., Joshi, R., Parikh, S., Panthakkan, A., & Mansoor, W. (2022). <i>An extensive evaluation of plant disease detection using diverse machine learning approaches</i> . In <i>Proceedings of the 6th IEEE International Conference on Signal Processing and Information Security</i> . IEEE. ISBN 978-1-5090-5297-4.
26.	Patel, S. K., Suthar, F., Patel, S., & Prajapati, J. (2022). <i>A comparison of top-rated open-source CMS— Joomla, Drupal, and WordPress for e-commerce website</i> . In <i>Computer Vision and Robotics: Proceedings of CVR 2022</i> .

List of Book Chapters published

Sr.No.	Book Details
1.	Patel, C. D., et al. (2024). Cybersecurity and data management innovations for revolutionizing healthcare. In Advanced analytics and machine learning algorithms for healthcare decision support systems: A study. IGI Global. https://doi.org/10.4018/979-8-3693-7457-3
2.	Chaubey, N. (2024). Harnessing AI and digital twin technologies in businesses. In A comparative analysis of machine learning techniques in creating virtual replicas for healthcare simulations. IGI Global. https://doi.org/10.4018/979-8-3693-3234-4.ch002
3.	Patel, S. B., Dharwa, J., & Patel, C. D. (2024). Harnessing Twitter: Sentiment analysis for predicting election outcomes in India. ITM Web of Conferences. ISSN 2271-2097.
4.	Chaubey, N. (2024). Utilizing generative AI for cyber defense strategies. In A new approach for detecting malware using a convolutional auto encoder with kernel density estimation. IGI Global. https://doi.org/10.4018/979-8-3693-8944-7.ch011
5.	Patel, C. D., et al. (2024). Advancing cyber security through quantum cryptography. In Enhancing cyber-physical systems security through advanced defense mechanisms. IGI Global. https://doi.org/10.4018/979-8-3693-5961-7.ch011
6.	Chaubey, N. (2024). Advancing cyber security through quantum cryptography. IGI Global. https://doi.org/10.4018/979-8-3693-5961-7
7.	Chaubey, N. (2024). Hyperparameter tuning of pre-trained architectures for multi-modal cyberbullying detection. In Advancing cyber security through quantum cryptography. IGI Global. https://doi.org/10.4018/979-8-3693-5961-7.ch017
8.	Chaubey, N. (2024). Advancing cyber security through quantum cryptography. In Enhancing cyber-physical systems security through advanced defense mechanisms. IGI Global.
9.	Chaubey, N. (2024). Advancements in credit card fraud detection: A comprehensive evaluation of current approaches. In Proceedings of the IEEE International Conference Advances in Science and Engineering Technology (ASET) 2024. IEEE.
10.	Chaubey, N. (2024). Role of quantum gates towards cryptographic applications. In Harnessing quantum cryptography for next-generation security solutions. IGI Global.
11.	Chaubey, N. (2024). Quantum secure key generation for QKD protocols using quantum gates. In Harnessing quantum cryptography for next-generation security solutions. IGI Global.
12.	Chaubey, N. (2024). The role of Wireshark in packet inspection and password sniffing for network security. In Advanced cyber security techniques for data, block chain, IoT, and network protection. IGI Global.
13.	Chaudhary, N. (2024). Harnessing AI and machine learning for effective phishing email detection. In Advanced cyber security techniques for data, block chain, IoT, and network protection. IGI Global.

14.	Chaubey, N. (2024). Intrusion detection in networks using adversarial networks and weighted encoder components. In <i>Advanced cyber security techniques for data, block chain, IoT, and network protection</i> . IGI Global.
15.	Chaubey, N. (2024). <i>Advanced cyber security techniques for data, block chain, IoT, and network protection</i> . IGI Global.
16.	Chaubey, N. (2024). <i>Harnessing quantum cryptography for next-generation security solutions</i> . IGI Global.
17.	Chauhan, J., et al. (2024). Light-weight cryptography technique for secure healthcare wearable IoT device data. In <i>Advancing cyber security through quantum cryptography</i> . IGI Global.
18.	Chauhan, J. A., et al. (2024). The impact of generative AI in modern education system in India. In <i>Advancements in smart computing and information security</i> . ISBN 978-81-959510-6-2.
19.	Chavda, V., & Patel, S. (2025). Exploratory data analysis for online advertisement CTR prediction using machine learning. In <i>Proceedings of the 3rd International Conference on Advancements in Smart Computing and Information Security (ASCIS-2024)</i> . Springer.
20.	Patel, S. B., Joshi, R., Patel, C. D., & Dharwa, J. (2025). Sentiment analysis on election data using machine learning and ensemble algorithms: An ample study. In <i>International Conference on Business Intelligence, Computational Mathematics, and Data Analytics</i> . Springer.
21.	Goswami, S. A., Dave, S., & Patel, K. C. (2024). <i>Evolution of AI in business intelligence</i> . IGI Global.
22.	Goswami, S. A., Dave, S., & Patel, K. C. (2024). <i>Healthcare informatics security issues and solutions using federated learning</i> . Taylor & Francis.
23.	Goswami, S. A., Dave, S., Patel, K. D., & Patel, K. C. (2024). <i>The quantum leap in financial security safeguarding e-commerce transactions</i> . IGI Global.
24.	Goswami, S. A., Dave, S., Patel, K. C., & Raval, M. N. (2025). <i>Application of quantum artificial intelligence in healthcare</i> . Academic Press (Elsevier).
25.	Goswami, S. A., Patel, K. C., & Dave, S. (2025). <i>Gene selection and liver classification using machine learning</i> . Academic Press (Elsevier).
26.	Goswami, S. A., Darji, D. A., Patel, K. C., & Dave, S. (2025). <i>Establishing AI-specific cloud computing infrastructure</i> . IGI Global.
27.	Goswami, S. A., Patel, K. C., Dave, S., Patel, K. D., & Darji, D. A. (2025). <i>Metaverse and virtual healthcare: Opportunities and challenges</i> . Taylor & Francis.
28.	Patel, H., Patel, A., & Patel, A. (2024). A comprehensive analysis of privacy-preserving techniques in machine learning. In <i>Proceedings of the 2024 1st International Conference on Advances in Computing, Communication and Networking</i> .
29.	Patel, N., Patel, D., & Patel, M. (2024). <i>Advancements in wheat disease detection: A comprehensive survey of techniques and challenges</i> . Springer.
30.	Patel, M., Raval, D., Patel, D., & Chauhan, Y. (2024). A comprehensive deep learning model for improved person re-identification using multi-camera streaming pipeline. In <i>International Conference on Machine</i>

	Learning and Data Engineering.
31.	Patel, M., Raval, D., Nayi, V., & Sirwani, P. (2025). Innovative deep learning model combining YOLOv5 and OCR techniques for real-time license plate recognition and monitoring. In 2nd International Conference on Metaheuristics in Engineering and Its Applications.
32.	Patel, M. B., Raval, D. K., Patel, N. I., Patel, R. M., & Mehta, V. M. (2025). A MediaPipe-powered model for static Indian sign language recognition. In Shodh Shikhar 2025: International Conference on Research, Innovation and Science Communication. RNTU, Bhopal.
33.	Patel, M. B., Raval, D. K., Patel, D. A., Chauhan, Y. C., & Mevani, N. (2025). GeoroadNet: An automatic satellite image-based road network extraction system. In Shodh Shikhar 2025. RNTU, Bhopal.
34.	Patel, M., Raval, D., & Nayi, V. (2025). Harnessing AI-powered talking avatars for interactive storytelling and skill acquisition. In 5th International Multidisciplinary Conference on Fostering an Equitable Society Through Skilling.
35.	Patel, M., Prajapati, J. B., Barad, R., Saini, K., & Prajapati, D. (2024). Applying drone technologies and robotics for agricultural sustainability (pp. 31–49). In [Book title]. IGI Global. ISBN: 9781668464137 eISBN:9781668464151, ISBN-10: 1668464136
36.	Patel, M., Patel, J., Patel, D., Prajapati, P., & Prajapati, J. (2024). Basic ethical issues in bioinformatics and cheminformatics. Taylor & Francis Group.
37.	Patel, M. B., Patel, R. B., Parikh, S. M., & Prajapati, J. (2024). Artificial intelligence and ethics: Challenges and opportunities. Taylor & Francis Group.
38.	Patel, D., Patel, M., & Parikh, S. (2023). Darkweb forensics. Taylor & Francis Group.
39.	Suthar, F., Padhya, K., Joshi, R., & Parikh, S. (2023). An extensive evaluation of plant disease detection using diverse machine learning approaches. IEEE.
40.	Chaubey, N. (2023). Title of the paper. In Proceedings of the International Conference on COMS2 2023. Springer.
41.	Patel, C. D. (2023). Computer network: Theory and practicals. All India Council for Technical Education.
42.	Patel, M., Patel, R., et al. (2023). Product recommendation using sentiment analysis of product's review in e-commerce. In Futuristic trends in computing technologies and data science.
43.	Gurjar, A. P., Patel, J., Patel, H., & Parikh, S. (2024). Ensemble methods to produce improved ML results. In Proceedings of the International Conference on Computer Science and Industrial Electronics (ICCSIE-2024).
44.	Goswami, S. A., Dave, S., & Patel, K. C. (2023). The need for emotional intelligence in human-computer interactions. IGI Global.
45.	Kotaiah, B., Dave, S., & Goswami, S. (n.d.). Bharatiya knowledge systems in the digital age: A blockchain-based approach to enhance cyber security and digital safety. In Revitalising and rejuvenating Bharatiya knowledge system for making Bharat Vishwaguru by 2047.
46.	Goswami, S. A., Mahalingam, N., & Dave, S. (2024). Blockchain in the pharmaceutical industry: Use cases and applications. In Proceedings of the International Conference on Sustainable Smart Computing and

	Green Energy (ICSSCGE-2024), Woxsen University, Hyderabad, India.
47.	Patel, K., Patel, A., & Patel, B. (2023). A comparative analytics for dynamic load balancing mechanisms intended to improve task scheduling in cloud computing with security challenges. In Proceedings of ASCIS-2023.
48.	Patel, N., Patel, D., & Patel, M. (2023). Advancements in wheat disease detection: A comprehensive survey of techniques and challenges. In Proceedings of the 8th International Conference on Information and Communication Technology for Intelligent Systems.
49.	Patel, M., Raval, D., Patel, D., & Chauhan, Y. (2024). Real time traffic analysis and vehicle tracking system using traffic monitoring camera streaming. In Proceedings of Shodh Shikhar 2024: International Research and Innovation Conference (Navnirmani Project Category).
50.	Patel, M., Raval, D., Patel, D., & Chauhan, Y. (2024). Deep learning based crowd detection and multi-camera person re-identification system. In Proceedings of Shodh Shikhar 2024: International Research and Innovation Conference (Navnirmani Project Category).
51.	Chauhan, J., Bhatt, P. P., & Raval, D. K. (n.d.). The impact of generative AI in modern education system in India. In Proceedings of the 8th International Conference on Information and Communication Technology for Intelligent Systems.
52.	Chaubey, N., et al. (2024). SMAIOT-FERTI: A smart cropland monitoring and optimal fertigation IoT system. Springer International Journal of Information Technology.
53.	Patel, M., Prajapati, J. B., Barad, R., Saini, K., & Prajapati, D. (2023). Smart farming ingredients: IoT sensors, software, connectivity, data analytics, robots, drones, GIS-GPS. In Applying drone technologies and robotics for agricultural sustainability (pp. 31–49). Taylor & Francis.
54.	Chaubey, N., & Kautish, S. (2023). AI-enabled social robotics in human care services. In AI-enabled social robotics in human care services.
55.	Chaubey, N. (2023). Training a legged robot to walk using machine learning and trajectory. In AI-enabled social robotics in human care services.
56.	Patel, M. B., Patel, R. B., Parikh, S. M., & Prajapati, J. (2024). Artificial intelligence and ethics: Challenges and opportunities. In Ethical issues in AI for bioinformatics and chemoinformatics. Taylor & Francis.
57.	Patel, M., Patel, J., Patel, D., Prajapati, P., & Prajapati, J. (n.d.). Basic ethical issues in bioinformatics and chemoinformatics. In Ethical issues in AI for bioinformatics and chemoinformatics. Taylor & Francis
58.	Patel, M., Patel, D., & Parikh, S. (2023). Dark web forensics. In Cybersecurity and forensics: Advanced tools and techniques (Emerging technologies: Research and practical applications). Springer Nature.
59.	Goswami, S. A., Patel, K. D., Parikh, S. M., & Raval, H. Y. (2023). Taxonomy and implications of machine learning for internet of things: Qualities, uses, and algorithms. Springer Nature.
60.	Padhya, B. P., Dharwa, J., & Patel, K. (2023). A secure health monitoring model for prediction of heart disease detection using machine learning. Springer Nature.
61.	Patel, A., Patel, H., Patel, K., & Patel, B. (2023). A systematic study on fake review detection approaches on e-commerce platforms.

62.	Bhavsar, K., Patel, A., Patel, K., & Patel, R. (2023). Exploring data ownership in Web 2.0 and Web 3.0 with the integration of blockchain technology.
63.	Patel, K. C., & Patel, A. (2022). Taxonomy and future threat of rogue access point for wireless network. In INDIACOM 2022. IEEE.
64.	Patel, K. C., & Patel, A. (2022). Rogue access point: The WLAN threat. In Proceedings of ICCIS. IEEE.
65.	Bhavsar, K., Patel, A., & Parikh, S. (2022). Approaches to digital forensics in the age of big data. In Proceedings of the 16th INDIACOM (IEEE Conference ID: 54597). IEEE.
66.	Goswami, S. A., Patel, K. D., & Padhya, B. (2019). Internet of things: Applications, challenges and research issues. In Proceedings of the Third International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud). IEEE.
67.	Goswami, S. A., Patel, K. D., & Patel, B. (2022). Network security for IoT device using blockchain technology. In Proceedings of the Fourth International Conference on Computing, Communication and Networking Technologies. IEEE.