



SCHOOL OF
ENGINEERING

Dayananda Sagar University

School of Engineering

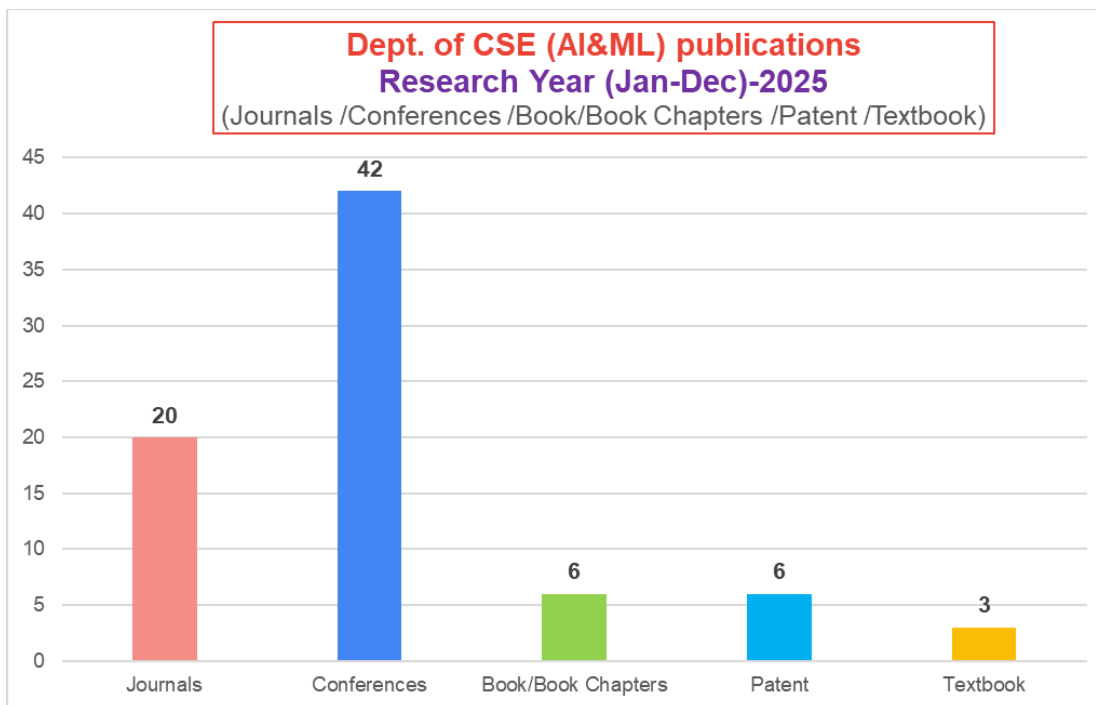


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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
(Artificial Intelligence & Machine Learning)

JOURNAL, CONFERENCE, BOOK, BOOK CHAPTERS, PATENTS, TEXTBOOKS PUBLICATIONS

Research Year-2025 (Jan-Dec)



Research & Innovation Details: Publications (JANUARY-DECEMBER 2025)

RESEARCH YEAR: 2025

Sl No.	Name of the Faculty/Student	Title of Paper	Type (Journal/Book Chapter/Conference/Patent/Copywrite)	Published Year-Date	Name of Journal/Book Chapter/Conference	Indexed Yes/NO (WoS-SCI/Scopus)	Quartile/ IF	Description Link
Journals								
1	Prof. Subhash Mondal	An Efficient Malware Detection Approach Based on Machine Learning Feature Influence Techniques for Resource-Constrained Devices	Journal	17-Jan-25	IEEE Access	Scopus	Q1/3.6	An Efficient Malware Detection Approach Based on Machine Learning Feature Influence Techniques for Resource-Constrained Devices IEEE Journals & Magazine
2	Prof. Subhash Mondal	An efficient artificial neural network-based optimization techniques for the early prediction of coronary heart disease: comprehensive analysis	Journal	09/02/2025	Scientific Reports, Nature Publishing Group UK	Scopus	Q1/3.9	https://www.nature.com/articles/s41598-025-85765-x
3	Dr. Joshuva Arockia Dhanraj	Cameraless sensor fusion: developing a cost-effective driver assistance system using radar and ultrasonic sensor	Journal	07/02/2025	Sensor Review	Scopus	Q3/1.6	https://www.emerald.com/insight/content/doi/10.1108/sr-08-2024-0702/full/html
4	Dr. Joshuva Arockia Dhanraj	Pitting corrosion studies on SS316L wall fabricated by directed energy deposition based wire arc process	Journal	2025	Journal of Alloys and Metallurgical Systems	Scopus	Q1/4.2	https://www.sciencedirect.com/science/article/pii/S294991782500029X?via%3Dihub
5	Dr. Shreyas Rajendra Hole	Empirical analysis of control models for different converter topologies from a statistical perspective	Journal	29-Jan-25	Science and Technology for Energy Transition, EDP Sciences	Scopus	Q2/1.8	https://www.stet-review.org/articles/stet/full_html/2025/01/stet20240208/stet20240208.html
6	Dr. Shreyas Rajendra Hole, Dr. Jayavrinda Vrindavanam	An Efficient Quantum-Enhanced Ensemble Fault Detection for Solar Energy Integration using an Iterative Game-Theoretic Approach with Adaptive Neuro-Fuzzy Inference and Energy Storage	Journal	14-Mar-25	Solar Energy and Sustainable Development	Scopus	Q2	https://jsesd-ojs.csers.ly/ojs/index.php/jsesd/article/view/489

7	Dr. Jayavrinda Vrindavanam	A Review of Block Ciphers and its Post-Quantum Considerations	Journal	25-Mar-25	IEEE Access	Scopus	Q1/3.6	https://ieeexplore.ieee.org/document/10938619
8	Shreyas Rajendra Hole	Optimizing Solar Radiation Forecasting for Renewable Energy Systems: A Comparative Analysis of Machine Learning and Feature Engineering Techniques	Journal	13-Apr-25	Solar Energy and Sustainable Development	Scopus	Q2	https://jsed-ojs.crsers.ly/ojs/index.php/jsed/article/view/386
9	Prof. Subhash Mondal	Fetal health risk prediction using ensemble-based machine learning approaches	Journal	10-May-25	Knowledge and Information Systems, Springer Nature.	Scopus	Q2/3.1	https://link.springer.com/article/10.1007/s10115-025-02442-1
10	Sugandha Saxena	FL-DPCSA: Federated learning with differential privacy for cache side-channel attack detection in edge-based smart grids	Journal	12-Jul-25	e-Prime - Advances in Electrical Engineering, Electronics and Energy	Scopus	Q1/4.7	https://doi.org/10.1016/j.prime.2025.101057
11	Dr. M. Lakshmanan	Implementation of Energy-Aware Optimal Routing for Improving Traffic Capacity in Ad Hoc Wireless Network Using Hybrid Heuristic Algorithm	Journal	20-Jan-25	International Journal of Communication Systems	Scopus	Q2/1.7	https://onlinelibrary.wiley.com/doi/abs/10.1002/dac.6126
12	Abdul Haq Nalband	Memory-Efficient Annotation Techniques for Autonomous Drone Navigation	Journal	29-Jul-25	IEEE Access	Scopus	Q1/3.6	https://ieeexplore.ieee.org/document/11084794?source=authoralert
13	Prof. Subhash Mondal	A computational eye state classification model using EEG signal based on data mining techniques: comparative analysis	Journal	04 August 2025	Physical and Engineering Sciences in Medicine, Springer Nature.	Scopus	Q2/2.7	https://link.springer.com/article/10.1007/s13246-025-01619-w
14	Dr. Lakshmanan M	A multi-objective function derived for traffic capacity enhancement using hybrid optimization of energy-aware routing in ad hoc wireless network	Journal	5-Jul-25	Sustainable Computing: Informatics and Systems	Scopus	Q1/5.7	https://doi.org/10.1016/j.suscom.2025.101165

15	Dr. Lakshmanan M, Dr. Joshua Arockia Dhanraj, Prof. Sriramkumar R, Dr. Mude Nagarjuna Naik, Prof. Mithaguru	Blockchain-Enabled Medical Waste Management System for Enhanced Traceability, Safety and Environmental Protection	Journal	1 July 2025	International Journal of Advances in Soft Computing and its Applications	Scopus	Q3	https://journals.zuj.edu.ij/iasca/PapersUploaded/2025.2.13.pdf
16	Prof. Subhash Mondal	Question classification task based on deep learning models with self-attention mechanism	Journal	17 July 1905	Multimedia Tools and Applications	Scopus	Q1/5.19	https://link.springer.com/article/10.1007/s11042-024-19239-z
17	Dr. Shreyas Rajendra Hole	AI Prediction of Neisseria gonorrhoeae Resistance at the Point of Care from Genomic and Epidemiologic Data	Journal	8 July 2025	Healthcare	Scopus	Q2/2.7	https://www.mdpi.com/2227-9032/13/14/1643
18	Dr. Jayavrinda Vrindavanam	Quantum-Resilient Cryptography: A Survey on Classical and Quantum Algorithms	Journal	22 September 2025	IEEE Access	Scopus	Q1/3.6	https://ieeexplore.ieee.org/document/11175376
19	Dr. Sumant Kumar Mohapatra	An improved atom search optimization algorithm based on ranking strategy and sine cosine algorithm for epileptic seizure detection	Journal	25 October 2025	Signal, Image and Video Processing	Scopus	Q2	https://link.springer.com/article/10.1007/s11760-025-04879-x
20	Dr. Vinutha N	Comparative Analysis of Grad-CAM Variants for Enhancing Explainability in PCOS Detection Using Ultrasound Imaging	Journal	8 November 2025	International Journal of Computing and Digital Systems	Scopus	Q3	https://journal.uob.edu.bh/items/12d72a74-b54e-45c7-a0a0-2da0c1bef94d

Conferences

1	Dr. Shreyas Rajendra Hole	AI-Driven Mobile Healthcare: Societal Impact, Workforce Adaptation, and Enhanced Predictive Modeling for Diabetes Risk Assessment	Conference	1-Apr-25	2025 International Conference on Pervasive Computational Technologies (ICPCT)	Scopus	–	https://ieeexplore.ieee.org/abstract/document/10940740/authors#authors
2	Dr. Shreyas Rajendra Hole	Design of an Efficient Model for DC–DC Converter Topologies and Grid Integration in Electric Vehicles	Conference	25-Mar-25	International Conference on Electric Power and Renewable Energy, Control Applications in Modern Power Systems. EPREC 2024. Lecture Notes in Electrical Engineering	Scopus	–	https://link.springer.com/chapter/10.1007/978-981-96-0104-2_20

3	Dr. Lakshmanan M; Prof. R. Sriramkumar; Prof. Mithaguru	Blockchain-Based HSFO Framework for Privacy Preservation of Health Care Data Using Hybrid Algorithms	Conference	25-Ju-25	2023 2nd International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering	Scopus	–	https://ieeexplore.ieee.org/document/11042708
4	Dr. Gouranga Mandal	Efficient Rice Leaf Disease Detection Based on Convolutional Neural Networks	Conference	22-Mar-25	Proceedings of the 3rd International Conference on Machine Learning, Cloud Computing and Intelligent Mining (MLCCIM2024)	Scopus	–	https://link.springer.com/chapter/10.1007/978-981-96-2468-3_78
5	Dr. Shreyas Rajendra Hole	A Design of Hybrid Model and Bayesian Neural Networks for Smart Grid Stability Prediction	Conference	25-Apr-25	2025 IEEE 1st International Conference on Smart and Sustainable Developments in Electrical Engineering (SSDEE)	Scopus	–	https://ieeexplore.ieee.org/document/10967715
6	Dr. Shreyas Rajendra Hole, Dr. Mude Nagarjuna Naik	Hybrid Approach of TabNet and Transformer-XGBoost for Predicting Traffic Flow in Smart Cities	Conference	25-Apr-25	2025 IEEE 1st International Conference on Smart and Sustainable Developments in Electrical Engineering (SSDEE)	Scopus	–	https://ieeexplore.ieee.org/document/10968571
7	Dr. Shreyas Rajendra Hole	Hybrid PCA-Based Machine Learning Models for Predictive Analytics in Urban Health Monitoring Systems	Conference	25-Apr-25	2025 IEEE 1st International Conference on Smart and Sustainable Developments in Electrical Engineering (SSDEE)	Scopus	–	https://ieeexplore.ieee.org/document/10967575
8	Prof. Subhash Mondal	Disease Detection in Finger Millet Plant Using Fine-Tuned Transfer Learning Models	Conference	28-Apr-25	2025 International Conference on Computing for Sustainability and Intelligent Future (COMP- SIF)	Scopus	–	https://ieeexplore.ieee.org/document/10969966
9	Prof. Subhash Mondal	A Real-time Sign Language Recognition System using MediaPipe and Random Forest Classifier combining with Text-to-Speech Technique.	Conference	12-May-25	2025 5th International Conference on Artificial Intelligence and Data Engineering (AIDE)	Scopus	–	https://ieeexplore.ieee.org/document/10986900
10	Dr. Joshuva Arockia Dhanraj	Monocular Depth Estimation for UAV Navigation Using Segmental Fully Convolutional Prairie Dog Neural Networks	Conference	27-Mar-25	4th International Conference on Sentiment Analysis and Deep Learning, ICSADL 2025 - Proceedings	Scopus	–	https://ieeexplore.ieee.org/document/10933057

11	Dr. Joshuva Arockia Dhanraj	Influence of Silane Coupling Treatment on Friction and Wear Properties of Polymeric Composites Reinforced with Nano-ZnO Particles	Conference	11-Apr-25	INTERNATIONAL CONFERENCE ON NEWER ENGINEERING CONCEPTS AND TECHNOLOGY: ICONNECT-2024 28–29 April 2024, Tiruchirappalli, India	Scopus	–	https://pubs.aip.org/aip/acp/article-abstract/3270/1/020255/3343957/Influence-of-silane-coupling-treatment-on-friction?redirectedFrom=fulltext
12	Dr. Joshuva Arockia Dhanraj	Investigation on the Mechanical and Wear Behavior of TIC Reinforced AZ64 Magnesium Alloy Composites	Conference	11-Apr-25	INTERNATIONAL CONFERENCE ON NEWER ENGINEERING CONCEPTS AND TECHNOLOGY: ICONNECT-2024 28–29 April 2024, Tiruchirappalli, India	Scopus	–	https://pubs.aip.org/aip/acp/article-abstract/3270/1/020245/3343936/Investigation-on-the-mechanical-and-wear-behavior?redirectedFrom=fulltext
13	Dr. Shreyas Rajendra Hole	Machine Learning and Artificial Intelligence for Predictive Modeling in Antimicrobial Resistance Data sets, Challenges, and Future Directions	Conference	2-Jun-25	2025 3rd International Conference on Smart Systems for applications in Electrical Sciences (ICSSSES)	Scopus	–	https://ieeexplore.ieee.org/document/11009316
14	Dr. Vinutha, N.	Dynamic Slice Selection Based 3D Brain Tumour Volumetric Segmentation	Conference	6-Jun-25	International Conference on Data Science and Applications (ICDSA 2024)	Scopus	–	https://link.springer.com/chapter/10.1007/978-981-96-1188-1_16#citeas
15	Dr. Vinutha, N.	NeuroTransformer: Transformer Model for Motor Imagery Classification	Conference	6-Jun-25	International Conference on Data Science and Applications (ICDSA 2024)	Scopus	–	https://link.springer.com/chapter/10.1007/978-981-96-1188-1_24
16	Dr. Shreyas Rajendra Hole ; Dr. Jayavrinda Vrindavanam; Dr. Nagarjuna Naik Mude; Prof. R. Sriramkumar	Impact of artificial intelligence on the development of employment and the labor market	Conference	1-Jul-25	2024 International Conference on Augmented Reality, Intelligent Systems, and Industrial Automation (ARIIA)	Scopus	–	https://ieeexplore.ieee.org/document/11051964/authors
17	Dr. Shreyas Rajendra Hole ; Dr. Jayavrinda Vrindavanam.	Transformative Effects of Artificial Intelligence on Workforce Dynamics in Industry 4.0	Conference	1-Jul-25	2024 International Conference on Augmented Reality, Intelligent Systems, and Industrial Automation (ARIIA)	Scopus	–	https://ieeexplore.ieee.org/document/11051964/authors
18	Prof. Subhash Mondal	An Intelligence Dual-Stage Heart Arrhythmia Prediction Framework Using Machine Learning Methods	Conference	8-Jul-25	3rd International Conference on Information Systems Security (ICISS-2024)	Scopus	–	https://link.springer.com/chapter/10.1007/978-981-96-4093-5_38

19	Dr. M. Lakshmanan, Rakshita R	A Real-Time IoT and Machine Learning-Based Smart Insole System for Early Detection and Prevention of Diabetic Foot Ulcers	Conference	21.07.2025	7th International Conference on Inventive Material Science and Applications	Scopus	–	https://ieeexplore.ieee.org/search/searchresult.jsp?newsearch=true&queryText=A%20Real-Time%20IoT%20and%20Machine%20Learning-Based%20Smart%20Insole%20System
20	Prof. Subhash Mondal	Skin Cancer Detection based on Medical Image Synthesis using Generative Adversarial Networks and Fine-Tuned Transfer Learning Models	conference	10-Jul-25	2025 3rd International Conference on Data Science and Information Systems (ICDSIS)	Scopus	–	https://ieeexplore.ieee.org/document/11071055
21	Dr. Vinutha N, Prof. Pradeep Kumar K	Augmenting Medical Diagnostics with AI: A Dual Approach Using RAG-Based Chatbots and Nano GPT Models	conference	31-Jul-25	6th IEEE International Conference on RAIT 2025	Scopus	–	https://ieeexplore.ieee.org/document/11088917
22	Trupthi Rao	Estimating the driving range of electric vehicles in real-time using a fuzzy logic classifier	Conference	18-Jul-25	6th International Conference on Control, Communication and Computing (ICCC 2025)	Scopus	–	https://ieeexplore.ieee.org/document/11077343
23	CSS Krishna Kaushik, N Vinutha, Jayavrinda Vrindavanam	Hybrid Spiking Neural Network-Attention Model for Multi-Class Heart Disease Detection	conference	31-Jul-25	6th IEEE International Conference on RAIT 2025	Scopus	–	https://ieeexplore.ieee.org/document/11089080
24	Yudhajit Jana, N Vinutha	Attention-Enhanced Transfer Learning for Emphysema Classification Using CBAM-Augmented ResNet-50	conference	31-Jul-25	6th IEEE International Conference on RAIT 2025	Scopus	–	https://ieeexplore.ieee.org/document/11088919
25	Dr. Joshuva Arockia Dhanraj	Plant Disease Detection using Resampling Cubature Kalman Filter and Focused Transformer with Quantum Fuzzy Cell Attention Networks	Conference paper	19-06-2025	Proceedings of 5th International Conference on Pervasive Computing and Social	Scopus	–	https://ieeexplore.ieee.org/document/11035522
26	Abdul Haq Nalband	Gender Classification Based on Machine Learning Models	Conference	14 July 2025	2025 4th OTCON International Technology Conference (OTCON) on Smart Computing for Innovation and Advancement in	Scopus	–	https://www.scopus.com/pages/publications/105012089654

27	Nivetha R, Dr. Shreyas Rajendra Hole	Adaptive Multi Stream Modified CNN-LSTM Based Real-Time Sign Language Translation with 3D Pose Estimation and Temporal Modelling	Conference	15 August 2025	2025 International Conference on Computing Technologies (ICOCT)	Scopus	–	https://www.scopus.com/pages/publications/105016306611
28	Trupthi Rao	Advanced Risk Prioritization in Supply Chain Management Using Fuzzy AHP and TOPSIS	Conference	August 2025	2025 International Conference on Emerging Trends in Industry 4.0 Technologies (ICETI4T)	Scopus	–	https://ieeexplore.ieee.org/document/11132117
29	Dr. Sugandha Saxena	CYSINFO AI: A Fine-Tuned LLM for Unrestricted Cybersecurity Knowledge	Conference	10 October 2025	International Conference on Networks & Advances in Computational	Scopus	–	https://ieeexplore.ieee.org/document/11188965
30	Utpal Kumar, Deekshitha M, Pradeep Kumar K, Jayavrinda Vrindavanam V, Gopal Sharma R Joshi, V.K.Hariharan	Optimizing Communication in ROS 2 With QoS Parameters for System Advantages	Conference	26th September 2025	IEEE Space, Aerospace and Defence Conference (SPACE)	Scopus	–	https://ieeexplore.ieee.org/document/11171196
31	Deekshitha M, Renuka Anil Sutar, R Sujay, Pradeep Kumar K, Jayavrinda Vrindavanam V, Gopal Sharma R Joshi, V.K.Hariharan, Arun Balodi	A Power-Efficient, Modular Rover Design for Multi-Purpose Exploration	Conference	26th September 2025	IEEE Space, Aerospace and Defence Conference (SPACE)	Scopus	–	https://ieeexplore.ieee.org/document/11170625
32	Mohith N, Dr. Vinutha N	Explainable AI for PCOS Diagnosis: A YOLOv8 and Vision Transformer Approach	Conference	1 October 2025	Congress on Smart Computing Technologies (CSCT 2024)	Scopus	–	https://link.springer.com/chapter/10.1007/978-981-96-6254-8_55
33	Dr. Vegi Fernando A	RhinoGuardNet: An Integrated Deep Learning System for Monitoring, Movement Prediction, and Threat Detection in Javan Rhino Conservation	Conference	25-Apr-25	2025 International Conference on Machine Learning and Autonomous Systems (ICMLAS)	Scopus	–	https://ieeexplore.ieee.org/abstract/document/10968938

34	JAYAVRINDA V VADAKKEPARAMBIL; PRADEEP KUMAR K	Image Based Identification of Precious Stones Using Edge Computing Devices with YOLOv8 on Raspberry Pi 5	Conference	26-Feb-25	Proceedings of 5th International Conference on Recent Trends in Machine Learning, IoT, Smart Cities and Applications (ICMISC 2024)	Scopus	–	https://link.springer.com/chapter/10.1007/978-981-97-8865-1_26
35	Dr. Naveen Babu	Double Square Ring Metamaterial based Backward Wave Oscillator for Microwave Generator	Conference	7-May-25	2025 International Conference on Innovation in Computing and Engineering (ICE)	Scopus	–	https://ieeexplore.ieee.org/document/10983959
36	Dr. Monika Goyal	Lucy AI: Women's Health Chatbot with Diabetic Retinopathy Classification Using Retinal Fundus Images	Conference	22-Jun-25	International Conference on Data Science and Applications 2024	Scopus	–	https://link.springer.com/chapter/10.1007/978-981-96-2179-8_20
37	Dr. Gouranga Mandal	Real-Time Wrist Fracture Detection Using YOLO11	Conference	22-May-25	2025 International Conference on Advanced Computing Technologies (ICoACT)	Scopus	–	https://ieeexplore.ieee.org/document/11004802
38	Dr. Vegi Fernando	Quantum Artificial Intelligence: Unlocking the Future of Technology	Conference	9-Jun-25	2025 International Conference on Next Generation Communication & Information Processing (INCIP)	Scopus	–	https://ieeexplore.ieee.org/document/11019935
39	Dr. Shreyas Rajendra Hole	UltraRes: ESRGAN-Powered AI Image Upscaling for Enhanced Clarity, Texture, and Detail Restoration in Digital Media	Conference	10-Jul-25	2025 3rd International Conference on Data Science and Information System (ICDSIS)	Scopus	–	https://ieeexplore.ieee.org/document/11071187
40	Nivetha R, Dr. Shreyas Rajendra Hole	Early Lung Cancer Detection Using a Hybrid Model	Conference	10-Oct-25	2025 International Conference on Networks & Advances in Computational Technologies (NetACT)	Scopus	-	https://ieeexplore.ieee.org/document/11187998

41	Nivetha R, Dr. Shreyas Rajendra Hole	File Carving for Digital Forensics: Moving Beyond Conventional Methods to AI-Powered Solutions	Conference	10-Oct-25	2025 International Conference on Networks & Advances in Computational Technologies (NetACT)	Scopus	-	https://ieeexplore.ieee.org/document/11188378
42	Nivetha R	Contrast-Enhanced AI Framework for Early Detection and Classification of Jaw Cysts in OPG Images	Conference	25-Sep-2025	2025 5th International Conference on Soft Computing for Security Applications (ICSCSA)	Scopus	-	https://ieeexplore.ieee.org/document/11171253

Books/ Book Chapters/ Textbooks

1	Dr. Joshuva Arockia Dhanraj	Natural Language Processing Using Soft Computing	Book Chapter	01/01/2025	Natural Language Processing for Software Engineering	Scopus	–	https://onlinelibrary.wiley.com/doi/10.1002/9781394272464.ch19
2	Dr. Joshuva Arockia Dhanraj	Web Data Mining: Exploring Hyperlinks, Contents, and Usage Data	Book Chapter	01/01/2025	Natural Language Processing for Software Engineering	Scopus	–	https://onlinelibrary.wiley.com/doi/10.1002/9781394272464.ch21
3	Dr. Joshuva Arockia Dhanraj	Optimized Machine Learning Techniques for Software Fault Prediction	Book Chapter	01/01/2025	Natural Language Processing for Software Engineering	Scopus	–	https://onlinelibrary.wiley.com/doi/10.1002/9781394272464.ch14
4	Dr. Joshuva Arockia Dhanraj	IoT-Driven Secure Data Sharing in Telemedicine Systems	Book chapter	June 2025	Advanced Secure Transmission of Telemedicine-Based Bio-Medical Images	Scopus	–	https://www.igi-global.com/gateway/chapter/382854

5	Dr. Prateek Verma	Radiodiagnosis in the era of AI	Book	August 2025	Radiodiagnosis in the era of AI	Scopus	–	https://www.scopus.com/pages/publications/105013936827
6	Dr. Prateek Verma	AI in diagnostic radiology: Clinical applications and case-based insights	Book	August 2025	AI in diagnostic radiology: Clinical applications and case-based insights	Scopus	–	https://www.scopus.com/pages/publications/105012911111
7	Dr. Joshuva Arockia Dhanraj, Dr. Mude Nagarjuna Naik, Prof. Sriramkumar R, Dr. M.Lakshmanan	Integration of AI, ML & Data Science	Text Book	1 February 2025	Black Horse Publish, ISBN: 978-93-48460-52-3	Book Publication		https://www.amazon.in/Integration-AI-ML-Data-science/dp/9348460528_ https://www.flipkart.com/integration-ai-ml-data-science/p/itm7baed6799241d
8	Prof. R. Sriramkumar, Dr. M. Lakshmanan, Dr. Joshuva Arockia Dhanraj	AI and Healthcare: The Intelligent Future of Medicine	Text Book	25 November 2025	Publisher: Amazon Kindle Direct Publishing ASIN: B0G14RV4C8	Book Publication		https://www.amazon.in/dp/B0G14RV4C8/ref=sr_1_1?crid=2QQ9P1EI4FF6C&dib=eyJ2ljojMSJ9.HjZlF9dPTyIltlHsTgP1OQ.pgdbEOe4wmnlKQpBSwhJbJXs3B54ZtF2F9cM9Dzubc&dib_tag=se&keyw
9	Dr. Joshuva Arockia Dhanraj	Fundamentals of Robotics and Artificial Intelligence	Text Book	13-Feb-25	Scientific International Publishers , ISBN: 978-93-6674-190-1	Book Publication		https://www.sipinternationalpublishers.com/product-detail.php?PID=MzQ4Mg==

Patents

1	Dr. Lakshmanan M, Dr. Mude Nagarjuna Naik, Prof. Sriramkumar R	Hybrid Quantum-Resistant Multi-Layer Encryption (HQRMLE) System for Health Records using Blockchain Storage and Method thereof	Patent	6 June 2025	Patent Application No: 202541049497 A	–	–	https://search.ipindia.gov.in/IPOJournal/Journal/Patent
2	Dr. M. Lakshmanan, Dr. Jayavrinda V, Dr. Joshuva Arockia Dhanraj, Prof. Sriramkumar R, Dr. Mude Nagarjuna Naik, Prof. Mithaguru	Blockchain-Enabled Biometric Rental Agreement System with Integrated E-Stamping and Secure Digital Execution	Patent	26th September 2025	Patent Application No.: 202541083564 A	–	–	https://search.ipindia.gov.in/IPOJournal/Journal/Patent

3	Dr. Lakshmanan M & Dr. Jayavrinda Vrindavanam V	System and Method for Secure Cold-Chain Monitoring and Personalized Vaccine Forecasting Using IoT Sensors, Blockchain Logging, and AI-Based Time-Series Analysis	Patent	5th September 2025	Patent Application No.202541073602 A	–	–	https://search.ipindia.gov.in/IPOJournal/Journal/Patent
4	M. Lakshmanan , Jayavrinda V Vadakkeparambil , Pradeep Kumar K , Sugandha Saxena, Nivetha R, Arpita Paria	Portable Multimodal Health Diagnostic Pad	Patent	28-Nov-25	Patent Application No.202541090786 A	–	–	https://search.ipindia.gov.in/IPOJournal/Journal/Patent
5	M. Lakshmanan , Sriramkumar R , Jayavrinda V. Vadakkeparambil, Joshuva Arockia Dhanraj, Mude Nagarjuna Naik, Arunkumar Gopu, Mithaguru	Chest Radiograph System	Patent	28-Nov-25	Patent Application No.202541100988 A	–	–	https://search.ipindia.gov.in/IPOJournal/Journal/Patent
6	Dr. Sugandha Saxena	Dynamic Energy Management System for Self-Powered IoT Devices using Intelligent Energy Harvesting	Patent	26-Sep-25	Application No.202541083566 A	–	–	https://search.ipindia.gov.in/IPOJournal/Journal/Patent