7th International Conference on Computational Intelligence in Data Science (ICCIDS 2024)
Sri Sivasubramaniya Nadar College of Engineering (SSN CE)
Chennai, Tamil Nadu, India
website: www.iccids.in

Paper Presentation Track Schedule

Track1 (Session 1) : Applications of AI/ML in NLP		
Day 1: 21st Feb 2024, Wednesday		**Time: 01.30 – 03.30 pm**
Venue: CSE Seminar Hall		
Session Chairs: Prof. Saroja P Kanchi, Kettering University, Flint, MI, USA Dr. B. Bharathi, CSE, SSN CE		
Session Co-ordinator: Dr. S. Angel Deborah, CSE, SSN CE		
S.No	**Paper ID**	**Title**
1	057	**Analyzing the computational efficiency of LLM models for NLP tweet classification during emergency crisis** *M.S. Antony Vigil, Sabarish Raja Ramesh Raja, Muthukumar Pattaiah, and Sudarson B* *SRM Institute of Science and Technology, Ramapuram, Chennai*
2	111	**Drug Sentiment Analysis: A Comprehensive Study using Regression Models and Natural Language Processing** *Pradeep S and UmaRani V* *Saveetha Engineering College, Chennai*
3	140	**Chat Bot In Banking Sector Using Machine Learning And Natural Language Processing** *Pasumarti Vamsi Krishna, Chokkalingam SP, Y. Siva Sandeep, Kushwanth Reddy Harshath V* *Amrita Vishwa Vidyapeetham*
4	152	**Lecter - A Large Language Model Chatbot for Cognitive Behavioral Therapy** *Sham Sundhar, Shivavardhini T, Daphine Desona Clemency C.A, Roobini M.S* *Sathyabama Institute of Science and Technology*
5	235	**Evaluating the Language Translation Accuracy of GPT 3.5 using Prompt Engineering** *Ajai Krishna T.S., Akshaya R., Ansh Bomb, Balamurugan K, Angel Arul Jothi J, Mary Anita Rajam V* *College of Engineering Guindy, Anna University, Chennai* *Birla Institute of Technology and Science, Pilani Dubai*
6	134	**Multi-Camera Enhanced Real-Time Content- Aware Vehicle Detection** *Mohamed Mafaz, I Karthiga, Sharon Priya* *B. S. Abdur Rahman Crescent Institute Of Science And Technology*

		Track2 (Session 1) : Applications of AI/ML in Image Processing
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Track2 (Session 1) : Applications of AI/ML in Image Processing

Day 1: 21st Feb 2024, Wednesday	Time: 01.30 – 03.30 pm

Venue: Central Seminar Hall

Session Chairs:
Prof. Mieczyslaw Lech Owoc, Wroclaw University of Economics & Business Wroclaw, Poland
Dr. T.T. Mirnalinee, Prof & Head, CSE, SSN CE

Session Coordinator: Dr. Y. V. Lokeswari, CSE, SSN CE

S.No	Paper ID	Title
1.	50	**CADFRA: Coronary Artery Disease Feature Reduction with Autoencoder for Optimistic and Effective Classification of Cardiac Diseases** *Sudarshana Kerenalli, Vamsidhar Yendapalli, Kamala L, Zameer Ahamed Adhoni, Tanvir Habib Sardar* *Gandhi Institute of Technology and Management ,Visakhapatnam*
2.	52	**Machine Learning Based Alzheimer's Disease Detection: A Comprehensive Approach** *Periya Nayaki Anbarasu, Vidyabharathi A K, Krishnaveni Subramanian, Thanabal M S* *Velammal College of Engineering and Technology* *PSNA College of Engineering and Technology*
3.	95	**Attention on Lung Cancer: Token Learner Enhanced Vision Transformers for Multi Type Lung Cancer Prediction and Detection** *Chandrakanth Ashokraja , Krishna Kireeti Tata, Indira Priya P* *Rajalakshmi Engineering College*
4.	110	**Noise removal of Low Dose CT Liver Images Using Improved Discrete Wavelet Transform** *Heartlin Maria, kayalvizhi Rajadurai, Keren Evangelin, George Princess T, Rashmika Mangalya T, Shakthi Prakash J* *Easwari Engineering college, SRM Valliammai engineering college* *St. Joseph institute of technology*
6	19	**A - Eye Tracker: Human Eye Defect Tracking and Analyzing Software** *J Gold Beulah Patturose, Swathishri B, Swetha R* *St Joseph's Institute of Technology*

Track3: Applications of AI/ML in KDM, Cloud Computing and Security

Day 1: 21st Feb 2024, Wednesday	**Time: 01.30 PM – 03.30 PM**

Venue: CTS Lab, CSE

Session Chairs:
Dr. Aayesha, VIT Chennai
Dr. A. Chamundeswari, CSE, SSN CSE

Session Coordinator: Dr. V. Balasubramanian, CSE, SSN CE

S.No	Paper ID	Title
1.	4	**Healthify App Using Blockchain with Cloud** *Sushil Mane M, Ponmani S, Vinita Piola A* *Rajalakshmi Engineering College*
2.	137	**A Systematic Review of Various Deep Learning Techniques for Network Intrusion Detection System** *Sasikumar A N, Dr Sheeba S Lilly* *SRM Institute of Science and Technology,* *Ramapuram Campus, Chennai, Tamil Nadu, India.*
3.	157	**Intrusion Detection System Trends: An Overview of Current Advances in IoV & Communication Networks** *Sreenivasa Chakravarthi Sangapu, Rishabh Rajput, Suganya E* *Amrita School of Computing, Amrita Vishwa Vidyapeetham,* *Chennai, India,* *Sri Sivasubramaniya Nadar College of Engineering, Chennai, India*
4.	159	**Automation Xtreme -A web automation AI Tool** *Abishek R, Vijay Anand* *Saveetha Engineering College*
5.	187	**Defending the Digital Frontier URL-based Phishing Detection Extension** *Vamsi Pallavarapu, Roshan Vardhan* *Amrita School of Computing, Amrita Vishwa Vidyapeetham,* *Chennai, India,*
6.	234	**Guarding the Digital Frontier: A Logistic Regression Approach to Malware Detection** *Archana Jenis M R, Srinivasa Seshadri K, Shankar K* *St. Joseph's College of Engineering*

Track4 (Session 1): Data Analytics		
Day 1: 21st Feb 2024, Wednesday		**Time: 01.30 – 03.30 pm**
Venue: CSE Conference Hall		
Session Chairs: **Dr. Noor Mahammad S K, IIITDM Kancheepuram** **Dr. K.R. Sarath Chandran CSE, SSN CE**		
Session Coordinator: Mr. S. Raghvendra Kumar Sakali, CSE. SSN CE		
S.No	**Paper ID**	**Title**
1.	2	**Real-Time Soil Moisture Sensing using Arduino for Automated Plant Irrigation System** *Deepalakshmi R, Madhavan T S, Siva Balasubramanian G, Vijayalakshmi R* *Velammal College of Engineering and Technology*
2.	9	**Campus Placement and Salary Prediction: Leveraging Machine Learning for Enhanced Employability** *Jayashre K, Raahul R, Roahith R, Shanmathi Ganesan* *Shiv Nadar University, Chennai*
3.	15	**Exploring Corrosion Detection: Deep Learning And Ensemble Approaches Analysis** *Akshara A, Chitra P, Sahana S* *Thiagarajar College of Engineering*
4.	32	**Comic Generation using AI - A Review** *Harinath Babu, Jayaganeshan Thanga Kumar, , Srinivasan N* *Department of CSE, Rajalakshmi Engineering College*
5.	60	**Residential Price Analysis Using Machine Learning** *John Joseph R, M. Vijay Anand* *Saveetha Engineering College*
6.	139	**AI-Driven Interviewer: Enhancing Interview Experience Through Conversational AI.** *Sumathi S, Kevin Harris D, Jeyanth A.K* *St. Joseph's College of Engineering, Chennai.*
DAY 1 END		

Track2 (Session 2): Applications of AI/ML in Image Processing		
Day 2: 22nd Feb 2024, Thursday		**Time: 01.30 – 03.30 pm**
Venue: Central Seminar Hall		
Session Chairs: **Prof. Mayuri Mehta, Sarvajanik College of Engineering, Technology, Surat, India** **Dr. J. Bhuvana, CSE, SSN CE**		
Session Coordinator: Dr. S. Lakshmi Priya, CSE, SSN CE		
S.No	**Paper ID**	**Title**
1.	025	**An Ensemble of Deep Transfer Learning Frameworks for Automatic Tuberculosis Detection in Chest X-Ray Images** *Rajeswari J, Dr.Raja J, Dr.Jayashri S, Ramya N* *Sri Sivasubramaniya Nadar College of Engineering* *Adhiparasakthi Engineering College, Melaruvathur* *Sri Sairam Engineering College*
2.	114	**Design and Analysis of Structural Health Monitoring System for the Diagnosis of Morphological Deformities of Bolted Structures** *Prakash G, Dhineshkumar Krishnan, Ramya G* *Sri Sairam Institute of Technology* *KIT-Kalaignarkarunanidhi Institute of Technology (Autonomous) Coimbatore, Tamilnadu,* *Rajalakshmi Engineering College, Thandalam, 60210*
3	154	**Empowering Medical Image Analysis: Unveiling Anomalies through GANs and BiGANs Models** *Gurwinder Singh, Vatsal Kumar Sharma* *Chandigarh University Punjab, India*
4	168	**Pneumonia Detection using Chest X-rays: A comprehensive Review** *Sreenivasa Chakravarthi Sangapu, Meeravali Shaik Nagoor, Irfan Mohammad Aazmi, Sountharrajan S, Suganya E* *Amrita School of Computing, Amrita Vishwa Vidyapeetham, Chennai, India,* *Sri Sivasubramaniya Nadar College of Engineering, Chennai, India*
5	185	**Realistic Avatar Control through Video-Driven Animation for Augmented Reality** *Gokul Nath A, K Suresh Kumar* *Saveetha Engineering College*

Track2 (Session 3): Applications of AI/ML in Image Processing		
Day 2: 22ⁿᵈ Feb 2024, Thursday		**Time: 01.30 – 03.30 pm**
Venue: CTS Lab, CSE		
Session Chairs: **Dr. B. Latha, Sairam Engineering College** **Dr. J. Suresh, CSE, SSN CE**		
Session Coordinator: Dr. M. Saritha, CSE, SSN CE		
S.No	**Paper ID**	**Title**
1.	201	**CNN-based Skin Lesion Classification for Melanoma Detection** *Havirbhavi Pothugunta, Ashwini K* *Amrita School of Computing, Chennai,* *Amrita Vishwa Vidyapeetham, India*
2.	250	**Self Annotated Labelling and Training Data for Traffic Video Object Detection using Machine Learning Techniques** *Rahul Chiranjeevi V, Krishna Prasath M.K, Maanesh M Swamy, Kumar P* *Rajalakshmi Engineering College*
3.	251	**A Comparative Analysis on various Machine learning Methods for GAN Based Video Anomaly Detection** *Rahul Chiranjeevi V, Kaushik K, Hiirthik Shyam C, Kumar P* *Rajalakshmi Engineering College*
4.	258	**D3CNet: Integrating Cascade Networks for Enhanced Driver Fatigue Monitoring** *Rahul Chiranjeevi V, Preethi J, Surya K, Santhosh Kumar S* *Rajalakshmi Engineering College*
5.	264	**Automated Indigenous Plant Recognition and Medicinal Value Extraction System** *Sendhilkumar S, Mahalakshmi G S, Swaminathan A, Sai Anirudh K* *CEG, Anna University, Chennai, India* *Panimalar Engineering College, Chennai, India*

Track 4 (Session 2): Data Analytics		

Day 2: 22nd Feb 2024, Thursday	Time: 01.30 – 03.30 pm

Day 2: 22nd Feb 2024, Thursday   **Time: 01.30 – 03.30 pm**

Venue: CSE Conference Hall

Session Chairs:
Prof. Kaja Mohideen, Crescent University
Dr. H. Shahul Hamead, CSE, SSN CE

Session Coordinator: Dr. S. Rajalakshmi, CSE, SSN CE

S.No	Paper ID	Title
1.	65	**Human Abnormal Activity Detection** *Induja B, Loganathan V* *Saveetha Engineering College*
2.	70	**Campus Drive Portal on Career Advancement for College Students** *Nandhini S, Praganya P, Karthick V, Ariyamala V* *Rajalakshmi engineering college*
3.	3	**Deception Detection using Random Forest and KNN** *Tilak Chander S, Devi S, Harshavardhan AG, Darun Sanjay S -* *Department of Information Technology,* *Coimbatore Institute of Technology*
4	61	**Analyzing Meteorological Data for Curated Music Selection** *Sakthi Murugeswari S, Sujatha E* *Saveetha Engineering College*
5	20	**Remote and centralized billing system using cloud computing** *J Gold Beulah Patturose, Dr Priscilla R, Aravind Shankar S and Hariram SM* *St Joseph's Institute of Technology*
6	220	**Information Extraction using RPA and Generative AI from Unstructured Documents: A case of Invoices** *Sowjanya Satheesh, Vijaya Chamundeeswari* *Saveetha Engineering College, Chennai*

Track 4 (Session 3): Data Analytics	
Day 2: 22ⁿᵈ Feb 2024, Thursday	**Time: 01.30 – 03.30 pm**

Venue: CSE Seminar Hall	

Session Chairs:
Dr. Rahul Raman, IIITDM Kancheepuram
Dr. Chitra Babu, CSE, SSN CE

Session Coordinator: Ms. Nilu R Salim, CSE, SSN CE

S.No	Paper ID	Title
1	180	**Cyberbullying predictive analysis on Twitter data with multi-model supervised Technique** *Vijaya Vardhan Manepalli, Srikar Meka,* *Sathyabama University, Chennai*
2	182	**Heart Attack Prediction Using Big Data Analytics** *Akalya A , Swedha V* *Saveetha Engineering College, Chennai, Tamil Nadu*
3	203	**Bloom's Taxonomy based Question Analysis for Personalized Learning** *Dinesh Sheelam, Shiva Raj, Jeslin Shanthamalar Jacob Samuel* *Sathyabama University*
4	210	**Harnessing Machine Learning-Based Classification Techniques to Optimize Crop and Fertilizer Recommendations** *Sachin Kumar, Dr.Muthaiah U* *Amrita Vishwa Vidyapeetham, Chennai.*
5	214	**Snowfall Forecasting with Enhanced Accuracy: Leveraging Multi-Class SVM for Meteorological Predictions** *Ranjith Kumar, Sudeesh Kumar, Tharun Kaarthik, Chatiyode,* *Srinivasan Anusha, Ledo Baster* *Amrita Vishwa Vidyapeetham, India*
6	217	**Crop Irrigation Advisory system using Federated Logistic Regression** *Karthi R, Deepthi Gardas* *Amrita Vishwa Vidyapeetham, India*
DAY2 END		

Track1 (Session 2): Applications of AI/ML in NLP		
Day 3: 23rd Feb 2024, Friday		**Time: 10.30 – 12.30 pm**
Venue: CSE Conference Hall		
Session Chairs: **Dr. Kishore B, Dr. Mahalingam College of Engineering & Technology, Pollachi** **Dr. D. Thenmozhi, CSE, SSN CE**		
Session Coordinator: Dr. S. Saraswathi, CSE, SSNCE		
S.No	**Paper ID**	**Title**
1	122	**COOL: Classification of Online Offensive Language using Machine Learning and Deep Learning** *Manjari Bhamidi, Manvitha Nandyala, Ragapriya Dayalan, Karthik N, and Vani V* *National Institute of Technology, Puducherry*
2	162	**Improved Evaluator for Subjective Answers Using Natural Language Processing** *Yasin Sharif A, Ravindhar N V* *Saveetha Engineering College, Chennai, Tamil Nadu*
3	215	**Self-Harm Detection from Texts: A Comparative Study Utilizing BERT, Machine Learning, and Deep Learning Approaches** *Rajalakshmi Sivanaiah, Sushmithaa Pandian, Subhankar Suresh , Samyuktaa Sivakumar, Rohan R, Angel Deborah S* *Sri Sivasubramaniya Nadar College of Engineering, Chennai, India*
4	246	**Neuro-evolution based Language Model for Text Generation** *Bagavathi C, Abhijith C Prakash* *Amrita School of Computing, Coimbatore, India*
5	128	**Offensive Language Detection on Telugu Language** *Pavan Kalyan Kakollu, Naveen Valiveti, Karthik N* *National Institute of Technology Puducherry, Karaikal, India*
6	133	**User story Based Automated Test Case Generation using NLP** *Arunkumar Chinnaswamy, Sabarish B A, Deepak Menan R* *Amrita School of Computing, Coimbatore, India*
7	123	**Anticipating Future College Admission Cutoffs: An Innovative Predictive Model Incorporating Student Reviews and Historical Admissions Cutoff Data using Machine Learning** *Chikkam Girish, Tata Umesh, Karthik N,Vani V* *National Institute of Technology Puducherry, Karaikal, India*
8	126	**Sentiment Analysis for Stock Prediction Using Mass Media Sources** *Kunal Kishor Billade, Jeel Patel, Karthik N, Vani V* *National Institute of Technology Puducherry, Karaikal, India*

Track2 (Session 4) : Applications of AI/ML in Image Processing		
Day 3: 23rd Feb 2024, Friday		**Time: 10.30 am – 12.30 pm**
Venue: CSE Seminar Hall		
Session Chairs: **Prof. Mayuri Mehta, Sarvajanik College of Engineering, Technology, Surat, India** **Dr. P. Mirunalini, CSE, SSN CE**		
Session Coordinator: Dr. A. Beulah, CSE, SSN CE		
S.No	**Paper ID**	**Title**
1	199	**SVM-Based Skin Cancer Diagnosis for Malignant and Benign Tumor Distinction** *Tanusha Gudise, Ashwini K* *Amrita School of Computing, Chennai,* *Amrita Vishwa Vidyapeetham, India*
2	249	**Driver's Distraction Detection via Hybrid CNN-LSTM** *Hemashree Raja, Vijay Anand* *Saveetha Engineering College, Chennai*
3	204	**Leaf Disease Detection using ResNet Deep Neural Network** *SuriyaPrakash B, Velmurugan N* *Saveetha Engineering College*
4	222	**Electroencephalogram based stress detection using machine learning** *Hemlata Ohal, Abhishek Tiwari, Kiran Satote, Vaishnavi Tule, Sakshi Zagade, Ajinkya Garad* *DVK MIT World Peace University ,Pune, India*
5	247	**An Exploration of Object Detection and Vehicular Communication for Autonomous Vehicles** *Padmavathi Anbarasan, Dheeraj Reddy Pullela* *Amrita Vishwa Vidyapeetham*
6	115	**Music Recommendation System based on facial expression using CNN** *Roshika R, Anjana Girish, Karthik N, Vani V* *National Institute of Technology Puducherry, Karaikal, India*
7	268	**Machine Learning Powered Nutritional Guidance System using Personalized Nutritional and Digital Health Record** *Shevanie Shupreeya P, Suseendra M, Shanthini S* *Anna University,Chennai*
8	269	**Predicting Hospital Length of Stay Using Light Gradient Boosting Machine Regression** *M Suchithra, Kumar Shashwat, Mohammed Shoaib Khan* *SRM Institute of Science and Technology, KTR, Tamil Nadu, India.*

Track4 (Session 4): Data Analytics		
Day 3: 23rd Feb 2024, Friday		**Time: 10.30am – 12.30 pm**
Venue: Central Seminar Hall		
Session Chairs: Dr. Arun Raj Kumar P, NIT Calicut Dr. D.V.V. Prasad, CSE SSNCE		
Session Coordinator: Dr. S.M. Dhannya, CSE, SSN CE		
S.No	Paper ID	Title
1	242	**Supply Chain Management Using Optimzation And Machine Learning Techniques** *Neelima N, Nagaraja KV, Honey Pandey* *Amrita School of Engineering, Bengaluru,* *Amrita Vishwa Vidyapeetham*
2	117	**Cricket Forecast: Unraveling Future Matches' Outcomes** *Vemula Vivek Siddharth, Pulukuri Shalem Vikranth, Karthik N,Vani* *National Institute of Technology Puducherry, Karaikal, India*
3	219	**Deep Learning Ensemble for Diabetes Prediction: Integrating LSTM, DCNN, and SMOTE for Enhanced Risk Assessment** *Ayyakkannu Selvaraj , V.Satheesh kumar , Dilip Bhudwant , Sharvari Tamane, Chhaya S Khandelwal, MGM University, Aurangabad, Maharashtra. Park College of Engineering and Technology, Coimbatore, Jawaharlal Nehru Engineering College*
4	200	**Optimizing Hyperspectral Image Classification through Swin Transformer Integration and CNN Feature Extraction** *Sushil Janardan, R.R. Janghel* *National Institute of Technology Raipur*
5	165	**Efficient Task allocation with Mentorship Mapping in Crowd sourcing Platforms** *Lekshmi Nair, Gelam Sindhu Sahithi, Thota Sai Naga Manikanta, Tummala Durga, Manikanta Naga Surya Teja, Sai Anushree Voleti* *Amrita School of Computing, Amrita Vishwa Vidyapeetham, Amritapuri, India*
6	90 (Online)	**Breast Cancer Detection through Tumor Metrics using Machine Learning Algorithm** *Archana Reddy, Divya Jyothi G, Varshita Velumury, Chennupati Akshitha, Sreevidya B, Rajesh M* *Amrita Vishwa Vidyapeetham Bengaluru*
7	94 (Online)	**Predicting Diseases from Symptoms Using Machine Learning Models and Open AI** *Balla Charishma Sulochana, Boya Chaitanya Kiran, Bhavya Sri Pragada, Gaddam Anvith Reddy, Sreevidya B, Rajesh M.* *Amrita Vishwa Vidyapeetham, Bengaluru*
8	96 (Online)	**A Hybrid approach to Movie Recommendation: Combining Neural Networks with Collaborative Filtering** *Chellu Vyshnavi, Chukka Mishal Raj, Guddeti Bindu Prasanna, Sreevidya B, Rajesh M.* *Amrita Vishwa Vidyapeetham, Bengaluru*

Track 5: Applications of ML (Online)	
Day 3: 23rd Feb 2024, Friday	**Timing: 10.30am – 12.30 pm**
Venue: CTS Lab, CSE	

Session Chairs:
Mr. Sriram M, SDE-1, Samsung Ecommerce, Chennai
Dr. R. S. Milton, CSE, SSN CE

Session Coordinator: Dr. K.R. Sarathchandran, CSE, SSN CE

S.No	Paper ID	Title
1	14	**Designing an Enhanced Swarm-Based Optimization Algorithm for High Utility Itemsets Mining** *Yogesh Juyal, Sonal Sharma, Harish Dutt Sharma, Parminder Singh, Sanjay Mishra, Saurabh Dhyani* *Uttaranchal School of Computing Sciences, Uttaranchal University, Dehradun, Uttarakhand, India*
2	39	**Bus Route Tracking System** *Rubesh Muthuvel R, Nithish Sankar B, Kasirajan P, and Dheenathayalan S* *National Engineering College*
3	209	**Sentiment Analysis of Various Ride Sharing Applications Reviews: A Comparative Analysis between Deep Learning and Machine Learning Algorithms** *Md. Saymon Ahammad, Sadia Akter Sinthia, Md. Muaj Chowdhury, Nur-A-All Asi, Daffodil International University*
4	244	**Hybrid Efficient IDS Against Adversarial Attacks in IoT Networks** *Eman Aljbour, Qasem Abu Al-Haija* *Princess Sumaya University for Technology (PSUT), Cybersecurity, Amman, Jordan*
5	189	**Quantum-DL Integration for Precise Remote Sensing Image Classification** *Harshad Duchal, Selvin Salve, Alfiya Tamboli, Atharva Gosavi, Pradip Ghorpade,Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering and Technology, Baramati*
6	155	**Review on Biomedical Informatics through the Versatility of Generative Adversarial Networks** *Gurwinder Singh, Vishwesh Mukesh, Chandigarh University Punjab,*
7	92	**Pawsitively Yours: A Comprehensive Approach to Detect Canine Atopic Dermatitis** *Madhuja C, Shreya Bhanot, Samreen Sidhu Sidhu, Sreevidya B, Rajesh M, Amrita School of Computing, Bengaluru, Amrita Vishwa Vidyapeetham, India*
8	98	**CureFinder - A Smart Health Care Aide for Predictive Analysis of Disease** *Amrutha Sivakumar, Anaswara Reji, Srinidhi M, Sreevidya B, Rajesh Amrita School of Computing, Bengaluru, Amrita Vishwa Vidyapeetham, India*

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