

Institutional Sign In

All

☐ Search within Publication

ADVANCED SEARCH

Quick Links

Search for Upcoming Conferences
Browse Conferences > International Conference on Co... > 2024 11th International Confer...
IEEE Publication Recommender

IEEE Author Center

International Conference on Computing for Sustainable Global Development (INDIACom)

The proceedings of this conference will be available for purchase through Curran Associates. 61295- INDIACom, 2024 (PRT)

Print on Demand Purchase at Partner

Copy Persistent Link

Browse Title List

Sign up for Conference Alerts

ProceedingsAll ProceedingsPopular

2024 11th International Conference on Computing for Sustainable Global Development (INDIACom)DOI: 10.23919/INDIACom61295.2024

Search within results

Items Per Page

Export

Email Selected Results

Showing 101-125 of 311

Filter

SortSequence SortEmail

Refine	☐	Paddy Crop Disease Detection using LeNet and MobileNet Models	
		Kommineni Ajay; Rekapalli Venkata Charan Sathvik; Beebi Naseeba; Nagendra Panini Challa	
Author		Publication Year: 2024 , Page(s): 597 - 602	
Affiliation	☒	Abstract HTML PDF CC BY	
	☐	Paddy Crop Disease Detection using LeNet and MobileNet Models	
		Kommineni Ajay; Rekapalli Venkata Charan Sathvik; Beebi Naseeba; Nagendra Panini Challa	
		2024 11th International Conference on Computing for Sustainable Global Development (INDIACom)	
		Year: 2024	
Quick Links	☐	Optical Sensor for Water Bacteria Detection using Machine Learning	
Search for Upcoming Conferences		Vanajaroselin Chirchi; Emmanvelraj Chirchi; E C Khushi; S M Bairavi; K S Indu	
IEEE Publication Recommender		Publication Year: 2024 , Page(s): 603 - 608	
IEEE Author Center			



The proceedings of this conference will be available for purchase through Curran Associates.

61295- INDIACom, 2024 (PRT)

Print on Demand **Purchase at Partner**

Cited by: Papers (1)

- ▼

Abstract

HTML





☐

Optical Sensor for Water Bacteria Detection using Machine Learning

Vanajaroselin Chirchi; Emmanuelraj Chirchi; E C Khushi; S M Bairavi; K S Indu

2024 11th International Conference on Computing for Sustainable Global Development (INDIACom)

Year: 2024


- ☐

Evaluation of ResNet Architecture's Performance for Early Brain Infarction Detection

Shilpa Bajaj; Manju Bala; MohitAngurala

Publication Year: 2024 , Page(s): 609 - 615


- ▼

Abstract

HTML





☐

Evaluation of ResNet Architecture's Performance for Early Brain Infarction Detection

Shilpa Bajaj; Manju Bala; MohitAngurala

2024 11th International Conference on Computing for Sustainable Global Development (INDIACom)

Year: 2024


- ☐

A Hybrid Deep Learning Approach for Accurate and Efficient Classification for Vegetable Recognition

Visalakshi Annepu; Kalapraveen Bagadi; Venkata Rami Reddy Chirra; Yalamanchili Prashanth; Akula Nikhil; Anguluri Krishna Chaitanya

Publication Year: 2024 , Page(s): 616 - 621


- ▼

Abstract

HTML





☐

A Hybrid Deep Learning Approach for Accurate and Efficient Classification for Vegetable Recognition

Visalakshi Annepu; Kalapraveen Bagadi; Venkata Rami Reddy Chirra; Yalamanchili Prashanth; Akula Nikhil; Anguluri Krishna Chaitanya

2024 11th International Conference on Computing for Sustainable Global Development (INDIACom)

Year: 2024


- ☐

Intrusion Detection Techniques in Internet of Things: A Bird's Eye View

Mayank Gautam; Sachin Ahuja; Abhishek Kumar

Publication Year: 2024 , Page(s): 622 - 628


- ▼

Abstract

HTML





☐

Intrusion Detection Techniques in Internet of Things: A Bird's Eye View

Mayank Gautam; Sachin Ahuja; Abhishek Kumar

2024 11th International Conference on Computing for Sustainable Global Development (INDIACom)

Year: 2024


- ☐

Demystifying Intrusion Detection Process using Machine Learning Techniques

Hemraj; Sonia; Ashish; Gaurav Gupta; Anurag Rana; Anitya Gupta

Publication Year: 2024 , Page(s): 629 - 633



- ▼

Abstract

HTML





☐

Demystifying Intrusion Detection Process using Machine Learning Techniques

Hemraj; Sonia; Ashish; Gaurav Gupta; Anurag Rana; Anitya Gupta

2024 11th International Conference on Computing for Sustainable Global Development (INDIACom)

Year: 2024


-
- ☐

An Analysis and Identification of Fake News using Machine Learning Techniques

Ashish; Sonia; Monika Arora; Hemraj; Anurag Rana; Gaurav Gupta

Publication Year: 2024 , Page(s): 634 - 638


- ▼

Abstract

HTML





☐

An Analysis and Identification of Fake News using Machine Learning Techniques

Ashish; Sonia; Monika Arora; Hemraj; Anurag Rana; Gaurav Gupta

2024 11th International Conference on Computing for Sustainable Global Development (INDIACom)

Year: 2024



☐

A Simulation Investigation on Track Buckling to Avoid Derailments

N Deepa; Sneha Sharma; Preeta Sharan

Publication Year: 2024 , Page(s): 639 - 644



▼

Abstract

HTML





☐

A Simulation Investigation on Track Buckling to Avoid Derailments

N Deepa; Sneha Sharma; Preeta Sharan

2024 11th International Conference on Computing for Sustainable Global Development (INDIACom)

Year: 2024



☒

Revolutionizing and Enhancing Medical Diagnostics with Conditional GANs for Cross-Modality Image Translation

Prasenjit Maji; Kunal Dhibar; Hemanta Kumar Mondal

Publication Year: 2024 , Page(s): 645 - 650



▲

Abstract

HTML





This pioneering study introduces Conditional Generative Adversarial Networks (cGANs) in medical diagnostics, explicitly focusing on translating images between disparate modalities, exemplified by the conversion from Photoplethysmography (PPG) to Electrocardiography (ECG). The method harnesses inherent data relationships to generate high-fidelity cross-modality images, offering valuable anatomical ... Show More

☒

Revolutionizing and Enhancing Medical Diagnostics with Conditional GANs for Cross-Modality Image Translation

Prasenjit Maji; Kunal Dhibar; Hemanta Kumar Mondal

2024 11th International Conference on Computing for Sustainable Global Development (INDIACom)

Year: 2024



- ☐ **Optimizing Emotion Classification from EEG Signals: A Comparative Analysis of Optimization Techniques on the DEAP Dataset** 
Janki Broker; Kashish Shah; Heet Shah; Anupama Jawale;
Ruta Prabhu
Publication Year: 2024 , Page(s): 651 - 656
- ☒ Abstract

HTML  
- ☐ **Optimizing Emotion Classification from EEG Signals: A Comparative Analysis of Optimization Techniques on the DEAP Dataset** 
Janki Broker; Kashish Shah; Heet Shah; Anupama Jawale;
Ruta Prabhu
2024 11th International Conference on Computing for Sustainable Global Development (INDIACom)
Year: 2024
-
- ☐ **An Artificial Intelligence Approach to Predict the Hybrid Nanofluids based Application for Radiators** 
Wagisha Raj; Sonali Kadam; Kavita Sawant; Sae Jamdade;
Rutuja Chavan; Aniket Holkar; Jotiram Gujar
Publication Year: 2024 , Page(s): 657 - 662
- ☒ Abstract

HTML  
- ☐ **An Artificial Intelligence Approach to Predict the Hybrid Nanofluids based Application for Radiators** 
Wagisha Raj; Sonali Kadam; Kavita Sawant; Sae Jamdade;
Rutuja Chavan; Aniket Holkar; Jotiram Gujar
2024 11th International Conference on Computing for Sustainable Global Development (INDIACom)
Year: 2024
-
- ☐ **Computer Vision based Online Job Interview Proctoring for Campus Placement** 
Awadhesh Kumar Srivastava; Vikas Tripathi; Bhaskar Pant
Publication Year: 2024 , Page(s): 663 - 668
- ☒ Abstract

HTML  
- ☐ **Computer Vision based Online Job Interview Proctoring for Campus Placement** 
Awadhesh Kumar Srivastava; Vikas Tripathi; Bhaskar Pant
2024 11th International Conference on Computing for Sustainable Global Development (INDIACom)
Year: 2024
-
- ☐ **Handwritten Digits Recognition using Machine and Deep Learning** 
Vishul Mittal; Shilpa Sharma; Puneet Thapar
Publication Year: 2024 , Page(s): 669 - 674
- ☒ Abstract

HTML  
- ☐ **Handwritten Digits Recognition using Machine and Deep Learning** 
Vishul Mittal; Shilpa Sharma; Puneet Thapar
2024 11th International Conference on Computing for Sustainable Global Development (INDIACom)
Year: 2024
-

- ☐ **Antique Hub: Deep Learning based Verification System and Marketplace for Antique Collectibles** 
Yash Chand; Devang Mate; Aayush Jha; Krunali Vartak
Publication Year: 2024 , Page(s): 675 - 678

✓ Abstract **HTML**  

- ☐ **Antique Hub: Deep Learning based Verification System and Marketplace for Antique Collectibles** 
Yash Chand; Devang Mate; Aayush Jha; Krunali Vartak
2024 11th International Conference on Computing for Sustainable Global Development (INDIACom)
Year: 2024

-
- ☐ **Analysis of the Relationship between Heatwaves with Vegetation and Soil Moisture** 
Vinduja Vijayanand; M Dhanya
Publication Year: 2024 , Page(s): 679 - 684

✓ Abstract **HTML**  

- ☐ **Analysis of the Relationship between Heatwaves with Vegetation and Soil Moisture** 
Vinduja Vijayanand; M Dhanya
2024 11th International Conference on Computing for Sustainable Global Development (INDIACom)
Year: 2024

-
- ☐ **Performance Comparison of Deep Learning Methods for Lung Nodule Benign and Malignancy Classification** 
Keshav S. Bhagwat; D. R. Thirupurasundari
Publication Year: 2024 , Page(s): 685 - 689

✓ Abstract **HTML**  

- ☐ **Performance Comparison of Deep Learning Methods for Lung Nodule Benign and Malignancy Classification** 
Keshav S. Bhagwat; D. R. Thirupurasundari
2024 11th International Conference on Computing for Sustainable Global Development (INDIACom)
Year: 2024

-
- ☐ **From Text to Treatment: An Overview of Artificial Intelligence Chatbots in Healthcare** 
Mahender Singh; Manisha Mittal; Prachi Dewan; Avneet Kaur;
Gurleen Kaur; Ankur Gupta
Publication Year: 2024 , Page(s): 690 - 696
Cited by: Papers (1)

✓ Abstract **HTML**  

- ☐ **From Text to Treatment: An Overview of Artificial Intelligence Chatbots in Healthcare** 
Mahender Singh; Manisha Mittal; Prachi Dewan; Avneet Kaur;
Gurleen Kaur; Ankur Gupta
2024 11th International Conference on Computing for Sustainable Global Development (INDIACom)
Year: 2024

-
- ☐ **AI based Fashion Stylist Recommendation System** 
Sakshi Shete; Ht Darshan; Manish Thakare; Kanchan Dhuri
Publication Year: 2024 , Page(s): 697 - 701
Cited by: Papers (2)

- ▼

Abstract

HTML





☐

AI based Fashion Stylist Recommendation System

Sakshi Shete; Ht Darshan; Manish Thakare; Kanchan Dhuri

2024 11th International Conference on Computing for Sustainable Global Development (INDIACom)

Year: 2024



☐

Breast Cancer Classification: In-depth Exploration of Different Paradigms and Ensemble Technique

Abdulahi Mahammed Adem; Ravi Kant; Sonia; Sudesh Kumari; C. Naga Swaroopa; Gaurav Gupta

Publication Year: 2024 , Page(s): 702 - 708



▼

Abstract

HTML





☐

Breast Cancer Classification: In-depth Exploration of Different Paradigms and Ensemble Technique

Abdulahi Mahammed Adem; Ravi Kant; Sonia; Sudesh Kumari; C. Naga Swaroopa; Gaurav Gupta

2024 11th International Conference on Computing for Sustainable Global Development (INDIACom)

Year: 2024



☐

Binary Classification of Students' Dropout Behaviour in Universities using Machine Learning Algorithms

Kumar Gupta; Kaustubh Gupta; Pushpendra Dwivedi; Meeta Chaudhry

Publication Year: 2024 , Page(s): 709 - 714



▼

Abstract

HTML





☐

Binary Classification of Students' Dropout Behaviour in Universities using Machine Learning Algorithms

Kumar Gupta; Kaustubh Gupta; Pushpendra Dwivedi; Meeta Chaudhry

2024 11th International Conference on Computing for Sustainable Global Development (INDIACom)

Year: 2024



☐

Striking the Balance: Comprehensive Insights into Data Consistency in NoSQL Realms

Kewal Krishan; Gaurav Gupta; Gurjit Singh Bhathal

Publication Year: 2024 , Page(s): 715 - 720



▼

Abstract

HTML





☐

Striking the Balance: Comprehensive Insights into Data Consistency in NoSQL Realms

Kewal Krishan; Gaurav Gupta; Gurjit Singh Bhathal

2024 11th International Conference on Computing for Sustainable Global Development (INDIACom)

Year: 2024



☐

5G: Radio Technology Crafted for Wireless Cellular Connectivity

Raman Kumar; Indrasen Singh; Ahmed Alkhayyat; Abhishek Joshi; Arti Badhoutiya; Sandeep Singh

Publication Year: 2024 , Page(s): 721 - 726



▼

Abstract

HTML





- ☐
- 5G: Radio Technology Crafted for Wireless Cellular Connectivity** 
- Raman Kumar; Indrasen Singh; Ahmed Alkhayyat;
Abhishek Joshi; Arti Badhoutiya; Sandeep Singh
2024 11th International Conference on Computing for Sustainable
Global Development (INDIACom)
Year: 2024

- ☐
- Diabetes Mellitus Diagnosis using Optical Ring Resonators** 
- Manush Prajwal; J Jesy Janet Kumari; Maanas Mitrahass Uppu;
Vanajaroselin Chirchi; S Vishalatchi; D N Darshan
Publication Year: 2024 , Page(s): 727 - 732
Cited by: Papers (1)

▼ Abstract

HTML  

- ☐
- Diabetes Mellitus Diagnosis using Optical Ring Resonators** 
- Manush Prajwal; J Jesy Janet Kumari; Maanas Mitrahass Uppu;
Vanajaroselin Chirchi; S Vishalatchi; D N Darshan
2024 11th International Conference on Computing for Sustainable
Global Development (INDIACom)
Year: 2024

- ☐
- An Online QR Code Scanner for Real-Time User Feedback and Ratings Collection with Local Web Server** 
- Ahmed Alkhayyat; Raman Kumar; Sandeep Singh; Rajesh Singh;
Yogendra Kumar; Umang Sharma
Publication Year: 2024 , Page(s): 733 - 736

▼ Abstract

HTML  

- ☐
- An Online QR Code Scanner for Real-Time User Feedback and Ratings Collection with Local Web Server** 
- Ahmed Alkhayyat; Raman Kumar; Sandeep Singh; Rajesh Singh;
Yogendra Kumar; Umang Sharma
2024 11th International Conference on Computing for Sustainable
Global Development (INDIACom)
Year: 2024

- ☐
- Exploring Explainable Melanoma Classification: Leveraging Pre-trained Deep Learning Model on MED-NODE Dataset** 
- Nisha Malhotra; Preeti Kaur
Publication Year: 2024 , Page(s): 737 - 740

▼ Abstract

HTML  

- ☐
- Exploring Explainable Melanoma Classification: Leveraging Pre-trained Deep Learning Model on MED-NODE Dataset** 
- Nisha Malhotra; Preeti Kaur
2024 11th International Conference on Computing for Sustainable
Global Development (INDIACom)
Year: 2024

IEEE Personal Account

CHANGE
USERNAME/PASSWORD

Purchase Details

PAYMENT OPTIONS
VIEW PURCHASED
DOCUMENTS

Profile Information

COMMUNICATIONS
PREFERENCES
PROFESSION AND
EDUCATION
TECHNICAL INTERESTS

Need Help?

US & CANADA: +1 800
678 4333
WORLDWIDE: +1 732
981 0060
CONTACT & SUPPORT

Follow



About IEEE *Xplore* | Contact Us | Help | Accessibility | Terms of Use | Nondiscrimination Policy | IEEE Ethics Reporting  | Sitemap | IEEE Privacy Policy

A not-for-profit organization, IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.

© Copyright 2024 IEEE - All rights reserved, including rights for text and data mining and training of artificial intelligence and similar technologies.

IEEE Account

- » Change Username/Password
- » Update Address

Purchase Details

- » Payment Options
- » Order History
- » View Purchased Documents

Profile Information

- » Communications Preferences
- » Profession and Education
- » Technical Interests

Need Help?

- » **US & Canada:** +1 800 678 4333
- » **Worldwide:** +1 732 981 0060
- » Contact & Support

Conferences > 2024 11th International Confe... ?

Revolutionizing and Enhancing Medical Diagnostics with Conditional GANs for Cross-Modality Image Translation

Publisher: IEEE

Cite This

PDF

Prasenjit Maji ; Kunal Dhibar ; Hemanta Kumar Mondal All Authors ...

43Full Text Views

Alerts

Manage Content AlertsAdd to Citation Alerts

Abstract

Document Sections

I. Introduction

II. Related Work

III. Application and Usage of CGAN in Medical Scenario

IV. Methodology

V. Result and Discussion

Show Full Outline

Authors

Figures

References

Keywords

Metrics

More Like This

Download PDF

Abstract:

This pioneering study introduces Conditional Generative Adversarial Networks (cGANs) in medical diagnostics, explicitly focusing on translating images between disparate m... View more

Metadata

Abstract:

This pioneering study introduces Conditional Generative Adversarial Networks (cGANs) in medical diagnostics, explicitly focusing on translating images between disparate modalities, exemplified by the conversion from Photoplethysmography (PPG) to Electrocardiography (ECG). The method harnesses inherent data relationships to generate high-fidelity cross-modality images, offering valuable anatomical insights, aiding disease identification, and facilitating effective treatment planning. The study highlights cGANs' transformative role in overcoming modality challenges and emphasizes their potential to revolutionize medical diagnostics. The proposed methodology contributes to dataset expansion through data synthesis, enhancing patient monitoring efficacy. Ethical considerations address synthetic data usage in medical settings, emphasizing responsible technology application. Rigorous evaluation validates the approach, affirming its effectiveness in preserving diagnostic features and establishing potential widespread adoption in medical imaging. This research signifies a new era in patient care, highlighting cGANs' pivotal role in advancing diagnostic innovation and pushing healthcare boundaries responsibly.

Published in:

2024 11th International Conference on Computing for Sustainable Global Development (INDIACom)

Date of Conference:

28 February 2024 - 01 March 2024

DOI:

10.23919/INDIACom61295.2024.10498844

Prasenjit Maji
ECE, Computer Sci. and Design, National Institute of Technology & BCREC, Durgapur, India

Kunal Dhibar
Computer Science and Engg. Bengal College of Engg. & Tech, Durgapur, India

Hemanta Kumar Mondal
Electronics and Communication Engineering, National Institute of Technology, Durgapur, India

☰ Contents

I. Introduction

Medical imaging is undergoing a paradigm shift, spearheaded by powerful tools like Conditional Generative Adversarial Networks (cGANs). This technology promises to reshape diagnoses and patient care through cross-modality translation, a groundbreaking technique that bridges the gap between different imaging modalities. This paper delves into the revolutionary potential of cGANs, focusing on two transformative tasks.

Authors	^
Prasenjit Maji ECE, Computer Sci. and Design, National Institute of Technology & BCREC, Durgapur, India	
Kunal Dhibar Computer Science and Engg. Bengal College of Engg. & Tech, Durgapur, India	
Hemanta Kumar Mondal Electronics and Communication Engineering, National Institute of Technology, Durgapur, India	
Figures	▼
References	▼
Keywords	▼
Metrics	▼