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2. PREVENTING FOREST FIRES IN WSN USING MACHINE LEARNING AND OPTIMISED LEACH PROTOCOL TO PROMOTE ENVIRONMENTAL SUSTAINABILITY, G. RAMESH, SANTAJI KRISHNA SHINDE, G. SENTHILKUMAR, **P. HEMA**, Journal of Environmental Protection and Ecology 24, No 5, 1680–1691 (**July, 2023**)

3. Performance Analysis of Different AIML Techniques for Image Annotation in Object Detection, Dr. S. Shivaprasad, Dr. M. Roshini, **Jagan Mohan Reddy**, Mani Raju, Dr. MVS Prasad, K. V. Rangarao, Journal of Harbin Engineering University, ISSN: 1006-7043, Vol 44 No. 8, 1644-1651, **August 2023**

4. Health Informatics And Social Determinants Utilizing Big Data To Address Health Disparities, Authors: Bonda Kiran Kumar, **Dr. U. Mohan Srinivas**, Mr. Bandla Bharath Kumar, Dr. Nidamanuru Srinivasa Rao, Manoj Kumar Mishra, Pattlola Srinivas, Mr. P.V. Ramanaiah, Journal of Namibian Studies, 35 S1 (**2023**): 2398-2414, ISSN: 2197-5523 (online),

5. A Model Effective on Cotton Crop Classification using Convolutional Neural Networks, Dr M.Roshini, **Venkata Madhu Bindu**, Dr.Ramu Vankudoth, Mani Raju Komma, T. Sunil, Tuijin Jishu/Journal of Propulsion Technology, ISSN: 1001-4055, **Nov, 2023**

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1. Heart Diseases Prediction Using Machine Learning Algorithms, E. Anupriya, Manyam Thaile, , P.Chinnasamy, M Laxmi Narayana, 2023 International Conference on Computer Communication and Informatics (ICCCI), **Jan. 23 – 25, 2023**, Coimbatore, INDIA

2. Fotumania: A photography freelancing app, Subhashini Peneti, T Manyam, **MAY 22 2023,** Advancements in Aeromechanical Materials for Manufacturing: ICAAMM-2021, AIP Conf. Proc. 2492, 030063-1–030063-5; https://doi.org/10.1063/5.0116509 Published by AIP Publishing. 978-0-7354-4438-6

3. A Case Study Using Top Companies to Examine the Nmap Tool's Applicability for Network Security Assessment, Asokan J, Kaleel Rahuman A, Suganthi B, **Fairooz Shaik**, Dr.Sundar Prakash Balaji Muthuswamy and Vellaiappan Elamaran, 12th International Conference on Advanced Computing (ICoAC - 2023), **18th - 19th August 2023** at Anna University, MIT Campus, Chennai, India

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1. IOT FUNDAMENTALS:CONCEPTS, TECHNOLOGIES, AND APPLICATIONS, Dr. Ajmeera Kiran, Dr. T. Bhaskar, **Dr. Manyam Thaile**, Dr B Ben Sujitha, INDO-CONTINENTAL ACADEMIC PUBLISHERS, India, ISBN: 978-81-964739-4-5 **JULY 2023**

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Journal Publications

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Original Article

Investigation of Omnidirectional Vision and Privacy Protection in Omnidirectional Cameras

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Abstract - *This paper provides a comprehensive study of omnidirectional vision technology. Omnidirectional technology refers to devices or systems that can detect, transmit, or receive signals in all directions. This technology is widely used in various fields, such as telecommunications, robotics, and multimedia. Omnidirectional technology can enhance wireless communication, navigation, and sensing efficiency and accuracy. Omnidirectional vision and cameras are critical components of omnidirectional technology, enabling devices to operate and interact with their environment more comprehensively and efficiently. This paper presents a complete study on omnidirectional vision, omnidirectional images and a comparative investigation of omnidirectional camera systems and other camera systems by highlighting omnidirectional vision's unique benefits. Based on the investigations, this paper provides solutions to the privacy issues in omnidirectional cameras using the proposed privacy-preserved omnidirectional Camera (PPOMDC) algorithm. Overall, the paper offers a*

Journal of Environmental Protection and Ecology 24, No 5, 1680–1691 (2023)

Environmental informatics

PREVENTING FOREST FIRES IN WSN USING MACHINE LEARNING AND OPTIMISED LEACH PROTOCOL TO PROMOTE ENVIRONMENTAL SUSTAINABILITY

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Abstract. Wireless sensor networks (WSN) equipped with machine learning algorithms and the LEACH (Low energy adaptive clustering hierarchy) protocol play a critical role in detecting and preventing forest fires, helping to protect the environment, and promoting sustainability. By deploying sensors throughout a forest, it is possible to monitor for temperature changes, smoke, and other

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Performance Analysis of Different AIML Techniques for Image Annotation in Object Detection

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Abstract: Image annotation plays a crucial role in computer vision by facilitating the training and development of accurate object detection models. However, the conventional manual annotation process is time-consuming and labor-intensive, prompting the exploration of automated techniques. This research paper focuses on the application of Artificial Intelligence and Machine Learning (AIML) techniques for image annotation, specifically in the context of object detection. In this we evaluate and compare the effectiveness of various AIML techniques, including deep learning-based approaches such as Convolutional neural networks (CNNs), Recurrent neural networks (RNNs), and Generative adversarial networks (GANs). To conduct this evaluation, we utilize the KITTI dataset, a widely used benchmark dataset in the field of computer vision. To assess the performance of the different models, we employ standard evaluation metrics such as precision, recall etc,. These metrics provide insights into the accuracy and consistency of the annotations generated by the models. The findings of this study are expected to contribute to the development of more efficient and accurate object detection systems. By identifying the most effective AIML techniques for image annotation, researchers and

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Health Informatics And Social Determinants Utilizing Big Data To Address Health Disparities

[1]Bonda Kiran Kumar , [2]Dr. U. Mohan Srinivas ,
[3]Mr. Bandla Bharath Kumar , [4]Dr. Nidamanuru Srinivasa Rao ,
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Acceptance Letter

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Textual Dissection of Twitter Reviews usingDeep learning Algorithms

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ABSTRACT

In the most recent period, the discipline of Analyzing the emotions expressed on Twitter has grown rapidly, with several studies supporting the utilization of algorithms based on machine learning techniques to analyze tweets and extract user sentiments about a certain subject. This work intends to do a comprehensive analysis of the emotional tone of tweets by making use of ordinal regression as well as other machine learning approaches. Following the completion of the preprocessing of the tweets, the

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***Abstract*— Even in older people and those who lead unhealthy lifestyles, heart disease may be a common problem that can be quite serious. This project's primary goal is to take action and decrease the prevalence of middle diseases in patients. Age, sex, sign, number of cigarettes smoked per day, and other medical data are used as inputs, and these features are then modelled for prediction. Abstract One of the most challenging issues in the medical industry**

are achieved. These methods are outlined in the following. ML algorithms that are studied in detail and that may be applied to various cardiac conditions algorithms for decision trees, KNN, and K-Means may employed different types of problems were reviewed in the research and their delicateness. Investigation identifies the decision tree's as being level of delicacy was the highest, and it has been deduced that this level of delicacy is

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Fotumania: A photography freelancing app

Subhashini Peneti ✉; T. Manyam

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Fotumania: A Photography Freelancing App

Subhashini Peneti[1,a)], T Manyam [2,b)]

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Abstract. Photographs play an important role in everyone's life – they connect us to our past, they remind us of people, places, feelings, and stories. They can help us to know who we are. Hiring a photographer or searching for a desired artist is a time-consuming task these days. One must go to the so-called studio of the photographer and ask for the details and check for his availability. Every photographer may not be specialized in every aspect. Thus, the customer may be compromised in such situations. In order to satisfy the customer in every aspect, we want to create a medium where the customers can hire the desired photographer at their fingertips. We want to create a user-friendly mobile app where the photographers and the artists register as freelancers and the customers hire them according to their needs. We used flutter to develop this application which is cross-platform framework which helps to develop both Android and IOS application using one codebase.

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"A Case Study Using Top Companies to Examine the Nmap Tool's Applicability for Network Security Assessment"

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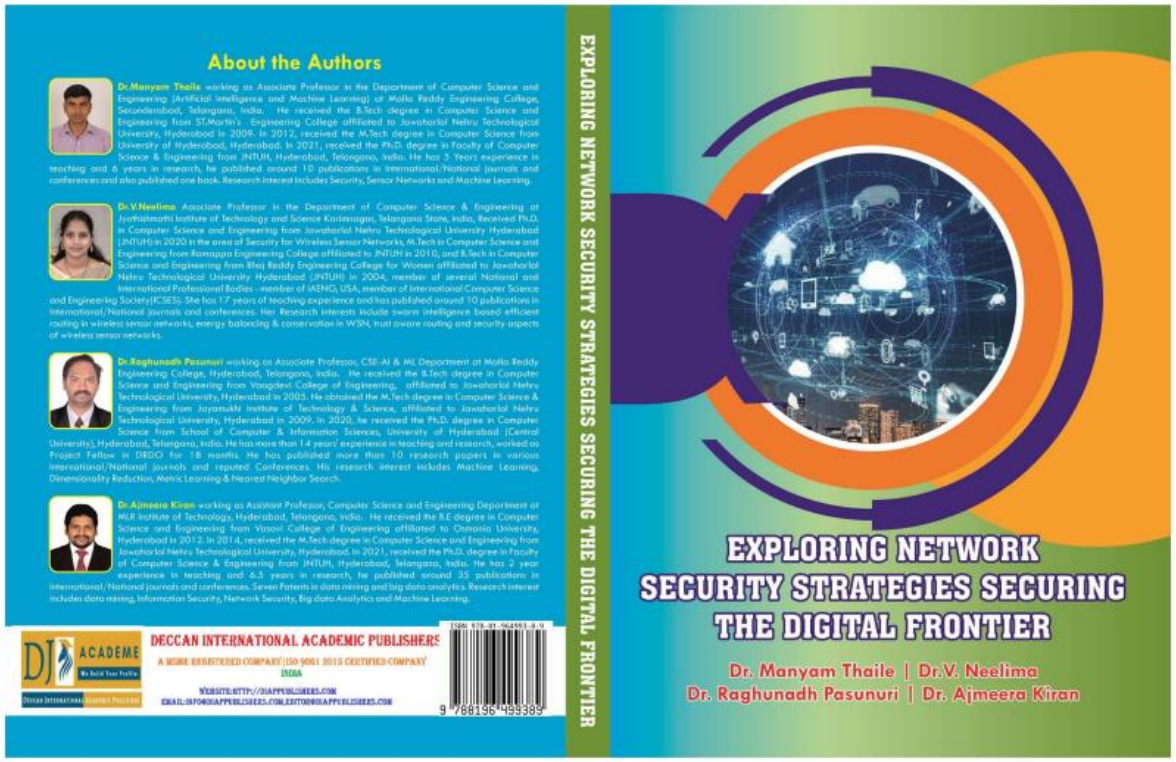

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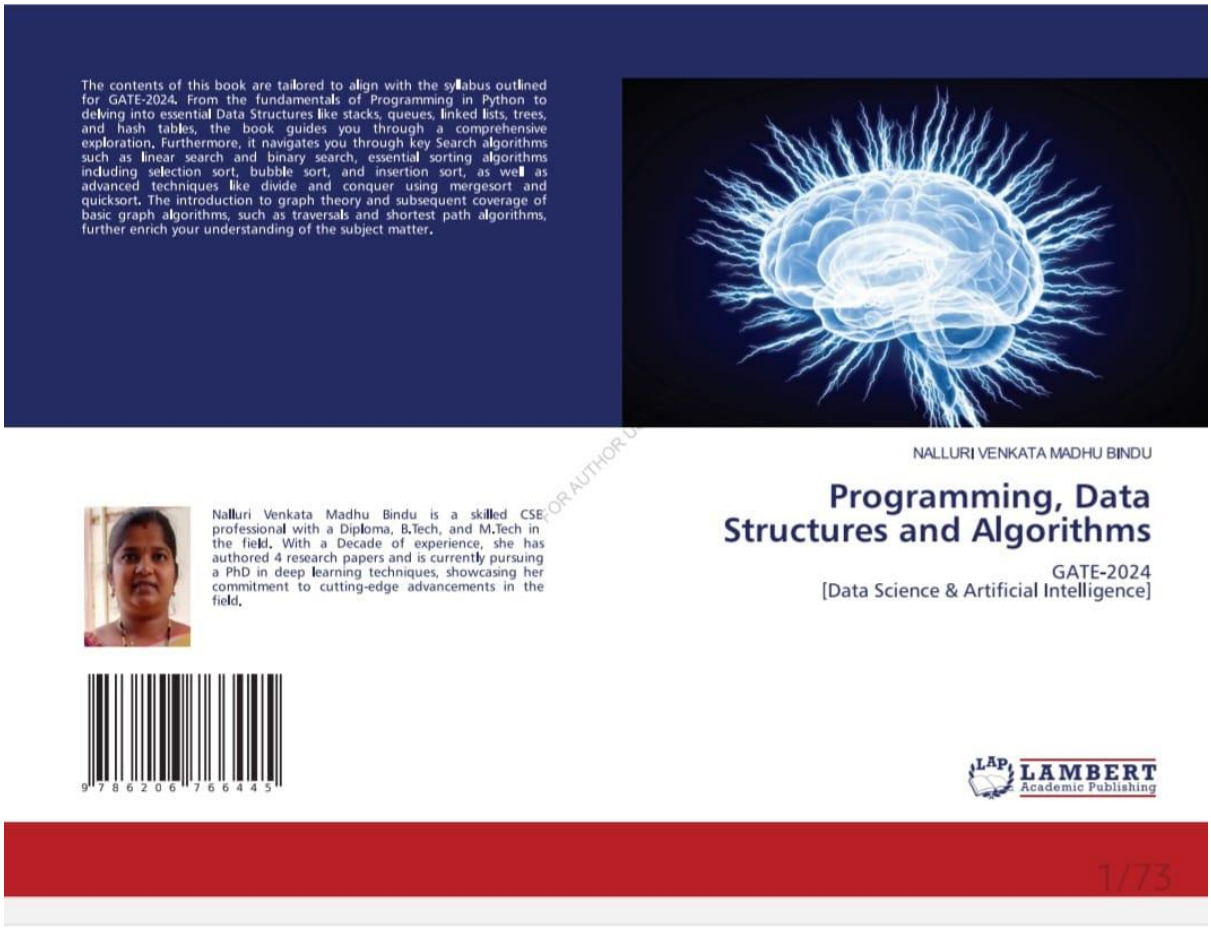

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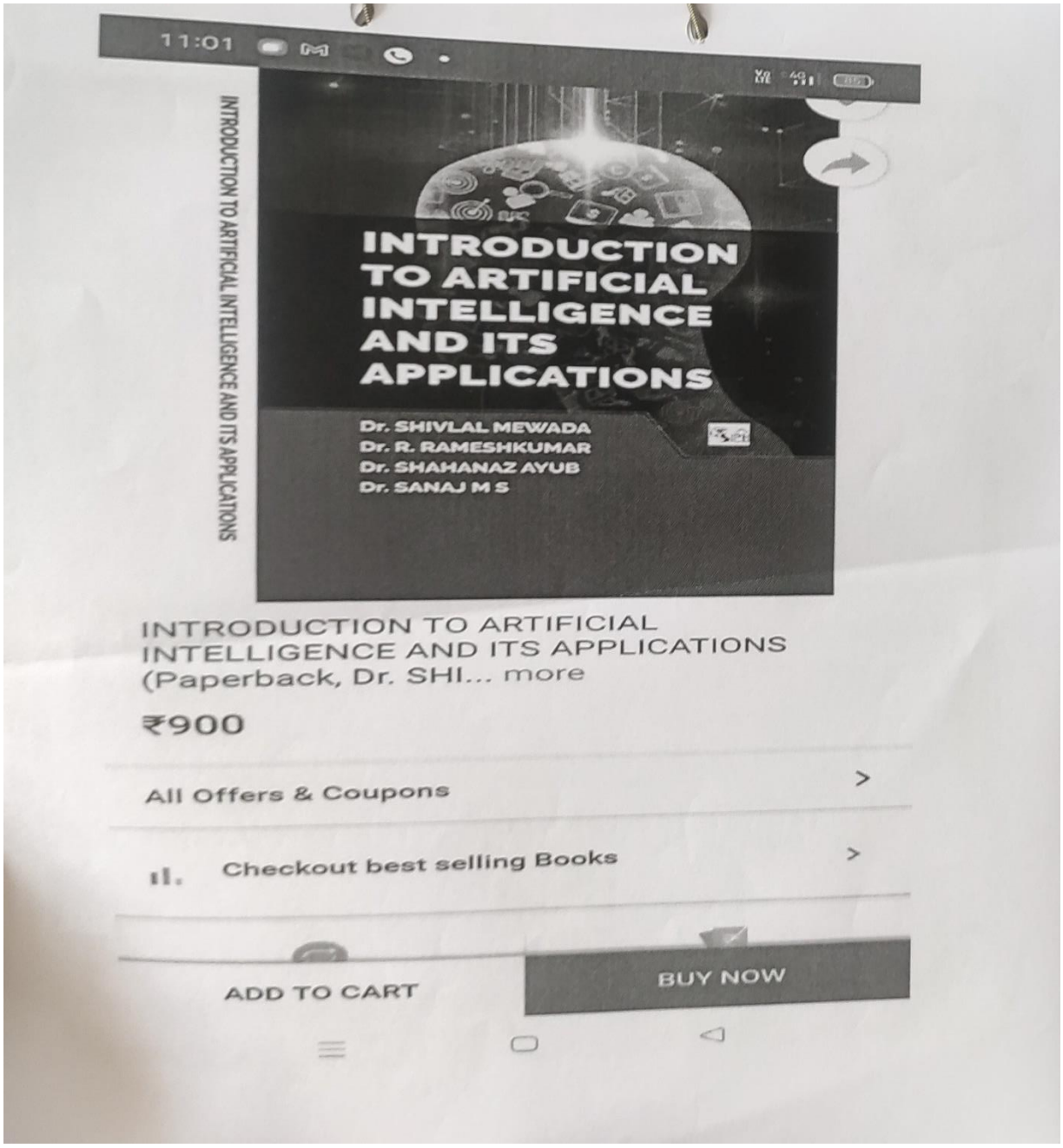
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