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Table of contents (18 papers)

Front Matter

[Download chapter PDF](#) 

Pages i–xi

Applications of Neural Network

Front Matter

[Download chapter PDF](#) 

Pages 1–1

Minutiae Points Extraction Using Faster R-CNN

Vivek Singh Baghel, Akhilesh Mohan Srivastava, Surya Prakash, Siddharth Singh

Pages 3–10

Genetic Algorithm-Based Optimization of Clustering Data Points by Propagating Probabilities

Shailja Dalmia, Aditya Sriram, T. S. Ashwin

Pages 11–18

Detection of Malaria Parasites in Thin Blood Smears Using CNN-Based Approach

Sabyasachi Mukherjee, Srinjoy Chatterjee, Oishila Bandyopadhyay, Arindam Biswas

Pages 19–27

A Deep Learning Approach for Predicting Air Pollution in Smart Cities

Banani Ghose, Zeenat Rehena

Pages 29–38

Structural Design of Convolutional Neural Network-Based Steganalysis

Pratap Chandra Mandal

Pages 39–45

A Type-Specific Attention Model For Fine Grained Entity Type Classification

Atul Sahay, Kavi Arya, Smita Gholkar, Imon Mukherjee

Pages 67–77

A Two-Phase Approach Using LDA for Effective Domain-Specific Tweets Conveying Sentiments

Pradnya Bhagat, Jyoti D. Pawar

Pages 79–86

News Background Linking Using Document Similarity Techniques

Omkar Ajnadkar, Aman Jaiswal, P. Gourav Sharma, Chandra Shekhar, Arun Kumar Soren

Pages 87–95

GRSS

Front Matter

[Download chapter PDF](#) 

Pages 97–97

Formation of Straight Line By Swarm Robots

Arijit Sil, Sruti Gan Chaudhuri

Pages 99–111

A Novel Technique to Utilize Geopolitical Risk as a Factor for Predicting Gold Price

Debanjan Banerjee, Arijit Ghosal

Pages 113–118

A Two-Phase Approach Using LDA for Effective Domain-Specific Tweets Conveying Sentiments

Conference paper | First Online: 25 November 2020

pp 79–86 | [Cite this conference paper](#)

[Pradnya Bhagat](#)  & [Jyoti D. Pawar](#)

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Abstract

Twitter is a free social networking platform where people can post and interact with short messages known as “Tweets”. The freedom of being able to reach out to the world in a fraction of seconds has made Twitter an effective medium for the general public to express their opinion on a global scale. Since Tweets have the potential to make a global impact, companies too have started using the service to reach out to their customers. Moreover, in spite of this service being immensely effective, it is found challenging by many users to express their views through a Tweet due to the restriction imposed of minimum 280 characters. The proposed work is aimed at helping people compose better quality Tweets belonging to a specific domain in the restricted character limit. The system is designed to mine important features/topics about a domain using Latent Dirichlet Allocation (LDA) algorithm and to compute the polarity of the sentiment words associated with them with respect to the domain using a two-phase approach on an Amazon review corpus. The discovered topics/features and sentiments are recommended as suggestions to Twitter users while composing new Tweets. The paper describes and presents initial results of the system on cell phones and related accessories domain.