

(http://ipindia.nic.in/index.htm)



Patent Search

Invention Title	DETECTING THE SMS SPAM WITH MACHINE LEARNING, DEEP LEARNING WITH ARTIFICIAL INTELLIGENCE FOR SECURE MOBILE MESSAG COMMUNICATION
Publication Number	39/2023
Publication Date	29/09/2023
Publication Type	INA
Application Number	202321047822
Application Filing Date	15/07/2023
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMPUTER SCIENCE
Classification (IPC)	G06K0009620000, H04L0051000000, G06N0020000000, H04W0004140000, G06N0003080000
1	

Inventor

Name	Address	Country
Dr. Ashish Kumar Tamrakar	Associate Professor, Department of Computer Science and Engineering, RSR Rungta College of Engineering & Technology, Kurud, Bhilai - 490024	India
Dr. K. Pooranapriya	Department of ECE, Vidyaa Vikas College of Engineering and Technology, Varahoorampatti Village, Kottapalli PO, Tiruchengode TK 637214	India
Ajay Kumar Sahu	Assistant Professor, Department of Computer Engineering, Bajaj Institute of Technology, Arvi Road, Pipri, Wardha, Maharashtra - 442001.	India
M. Kavitha	1/258 Sri Lakshmi Nager, 4th Street, Moulivakkam, Chennai - 600124	India
Dr. B Padmaja	Associate Professor, Department of Computer Science and Engineering, Institute of Aeronautical Engineering, Dundigal, Hyderabad - 500043	India
Subharun Pal	M.TECH - Artificial Intelligence & machine Learning Student, Department of Computer Science & Engineering, Indian Institute of Technology Jammu, Jagti, NH-44, PO Nagrota Jammu - 181 221 J&K, India	India
Mr. Sandeep Kumar Sharma	Research Scholar CS&IT, Department of Computer science & Information Technology, Khwaja Moinuddin Chisti Language University, Lucknow, MapSitapur-Hardoi Bypass Road Lucknow-226013	India
Dr. V. Poornima	Assistant Professor, Department of Computer Science, SRM Institute of Science and Technology, Bharathi Salai, Ramapuram, Chennai- 600089	India
Dr Shabnam Sayyad	Associates Professor, Department of Computer Engineering, Aissms College of Engineering, Pune - 411001, Maharashtra	India
Dr Farook Sayyad	Principal, Department of Mechanical, Ajeenkya DY Patil School of Engineering, Lohegaon, Pune - 412105	India

Applicant

Name	Address	Countr
Dr. Ashish Kumar Tamrakar	Associate Professor, Department of Computer Science and Engineering, RSR Rungta College of Engineering & Technology, Kurud, Bhilai - 490024	India
Dr. K. Pooranapriya	Department of ECE, Vidyaa Vikas College of Engineering and Technology, Varahoorampatti Village, Kottapalli PO, Tiruchengode TK 637214	India
Ajay Kumar Sahu	Assistant Professor, Department of Computer Engineering, Bajaj Institute of Technology, Arvi Road, Pipri, Wardha, Maharashtra - 442001.	India
M. Kavitha	1/258 Sri Lakshmi Nager, 4th Street, Moulivakkam, Chennai - 600124	India
Dr. B Padmaja	Associate Professor, Department of Computer Science and Engineering, Institute of Aeronautical Engineering, Dundigal, Hyderabad - 500043	India
Subharun Pal	M.TECH - Artificial Intelligence & machine Learning Student, Department of Computer Science & Engineering, Indian Institute of Technology Jammu, Jagti, NH-44, PO Nagrota Jammu - 181 221 J&K, India	India
Mr. Sandeep Kumar Sharma	Research Scholar CS&IT, Department of Computer science & Information Technology, Khwaja Moinuddin Chisti Language University, Lucknow, MapSitapur-Hardoi Bypass Road Lucknow-226013	India
Dr. V. Poornima	Assistant Professor, Department of Computer Science, SRM Institute of Science and Technology, Bharathi Salai, Ramapuram, Chennai- 600089	India
Dr Shabnam Sayyad	Associates Professor, Department of Computer Engineering, Aissms College of Engineering, Pune - 411001, Maharashtra	India
Dr Farook Sayyad	Principal, Department of Mechanical, Ajeenkya DY Patil School of Engineering, Lohegaon, Pune - 412105	India

Abstract:

Detecting the SMS spam with Machine Learning, Deep Learning with Artificial Intelligence for Secure Mobile Message Communication Abstract: Mobile messaging cor is unreliable because it is difficult to differentiate between spam and legitimate messages. To address this issue, we need a reliable and accurate method for identifyi mobile message exchanges. As a method of effective detection, we proposed a spam detection application based on machine learning. This method distinguishes be and spam transmissions in mobile device communication using machine learning classifiers such as logistic regression (LR), k-nearest neighbor (K-NN), and decision t SMS spam collection data set is used to validate the approach. The dataset has been divided in half for preliminary analysis and final testing purposes. Comparing the classification performance of LR to that of K-NN and DT revealed favorable results, with LR obtaining a remarkable 99% accuracy. According to the results of the studi outstanding classification performance. In addition, when compared to the performance of cutting-edge methods, the proposed methodology performs exceptionally

Complete Specification

Description: DESCRIPTIONS:

Billions of people around the world use mobile devices and exchange thousands of messages daily using mobile messages. Without proper message filtering proce this mode of communication is however susceptible to interception. Spam is one factor that contributes to the insecurity of mobile SMS transmission. Spam is wide recognized as a significant problem for modern electronic mail and instant messaging systems. The term "spam" alludes to unsolicited email. The term "spam" refer unsolicited electronic message sent to an individual or organization. It can take many forms, such as the promotion of products and services, the dissemination of a content, etc. The recent increase in spam is likely due to the proliferation of mobile devices capable of sending and receiving email and text messages. Currently, 85 of all communications sent to mobile devices are considered spam. While it is relatively inexpensive to transmit mail and messages, receiving them can be quite cost costs to service providers and spam can be measured in terms of the amount of human effort expended and the number of essential messages or emails that go uestimate the deluge of spam is hindering the transmission of legitimate emails and texts. This is due to the fact that consumers' Internet access, attention spans, and storage are all limited. Researchers have proposed a number of solutions to address the problems that have arisen as a direct result of spam, including the detection of spamails and the enhancement of online communication security. This page describes a few of the available methods in detail. Tools that use machine learning to distile legitimate messages from spam. In the proposed procedures, four distinct classifiers were utilized: the iterative dichotomizer, the decision tree, the simple cart, and active directory tree. Weka was utilized to conduct simulated investigations. Using the proposed procedure, the precision requirements were successfully met. As a detect spam, the email classification strategy was introduced in. For train

View Application Status



Terms & conditions (http://ipindia.gov.in/terms-conditions.htm) Privacy Policy (http://ipindia.gov.in/privacy-policy.htm) Copyright (http://ipindia.gov.in/copyright.htm) Hyperlinking Policy (http://ipindia.gov.in/hyperlinking-policy.htm) Accessibility (http://ipindia.gov.in/accessibility.htm) Archive (http://ipindia.gov.in/archive.htm) Contact Us (http://ipindia.gov.in/contact-us.htm) Help (http://ipindia.gov.in/help.htm)

Content Owned, updated and maintained by Intellectual Property India, All Rights Reserved.

Page last updated on: 26/06/2019