Patent Search

Invention Title	AN INNOVATIVE MACHINE LEARNING-BASED SMART DETECTION AND ILLNESSES FORECASTING ALGORITHM IN GREEN CLOUD COMPU
Publication Number	18/2023
Publication Date	05/05/2023
Publication Type	INA
Application Number	202341027898
Application Filing Date	17/04/2023
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMPUTER SCIENCE
Classification (IPC)	G06N 200000, H04L 452400, H04L 671000, H04L 671097, H04N 195030

Inventor

Name	Address	Country
Mr. Bathula Prasanna Kumar	Associate Professor, Department of Computer Science and Engineering, KKR & KSR Institute of Technology and Sciences, Guntur, Andhra Pradesh, India. Pin Code: 522017	India
Dr. B.Rebecca	Associate Professor, Department of Computer Science and Engineering, Marri Laxman Reddy Institute of Technology and Management, Dundigal, Hyderabad, Telangana, India. Pin Code:500043	India
Mrs. P.Siva Padmini	Assistant Professor, Department of CSE (DS), Marri Laxman Reddy Institute of Technology and Management, Dundigal, Hyderabad, Telangana, India. Pin Code:500043	India
Ms. P.Shamili Srimani	Assistant Professor, Department of Electronics and Communication Engineering, Institute of Aeronautical Engineering, Hyderabad, Telangana, India. Pin Code:500043	India
Mr. Umesh Pratap Singh	Assistant Professor, School of Management Sciences, Lucknow, Uttar Pradesh, India. Pin Code:226028	India
Dr. G. Priyanka Jeeva Karunya	Assistant Professor(c), Department of CSE, JNTUH University College of Engineering Sulthanpur, Sangareddy, Telangana, India. Pin Code:502273	India
Dr. Puppala Krupa Sagar	Assistant Professor(c), Department of CSE, JNTUH University College of Engineering Sulthanpur, Sangareddy, Telangana, India. Pin Code:502273	India
Dr. Rupali Singh	Assistant Professor, Department of Electronics and Communication Engineering, SRM Institute of Science & Technology, Delhi-NCR Campus, Modinagar, Ghaziabad, Uttar Pradesh, India. Pin Code:201204	India
Dr. Farhad Mehta	Assistant Professor C, School of Pharmaceutical Sciences, U.T.D, RGPV University, Bhopal, Madhya Pradesh, India. Pin Code:462038	India

Applicant

Name	Address	Country
Mr. Bathula Prasanna Kumar	Associate Professor, Department of Computer Science and Engineering, KKR & KSR Institute of Technology and Sciences, Guntur, Andhra Pradesh, India. Pin Code: 522017	India
Dr. B.Rebecca	Associate Professor, Department of Computer Science and Engineering, Marri Laxman Reddy Institute of Technology and Management, Dundigal, Hyderabad, Telangana, India. Pin Code:500043	India
Mrs. P.Siva Padmini	Assistant Professor, Department of CSE (DS), Marri Laxman Reddy Institute of Technology and Management, Dundigal, Hyderabad, Telangana, India. Pin Code:500043	India
Ms. P.Shamili Srimani	Assistant Professor, Department of Electronics and Communication Engineering, Institute of Aeronautical Engineering, Hyderabad, Telangana, India. Pin Code:500043	India
Mr. Umesh Pratap Singh	Assistant Professor, School of Management Sciences, Lucknow, Uttar Pradesh, India. Pin Code:226028	India
Dr. G. Priyanka Jeeva Karunya	Assistant Professor(c), Department of CSE, JNTUH University College of Engineering Sulthanpur, Sangareddy, Telangana, India. Pin Code:502273	India
Dr. Puppala Krupa Sagar	Assistant Professor(c), Department of CSE, JNTUH University College of Engineering Sulthanpur, Sangareddy, Telangana, India. Pin Code:502273	India
Dr. Rupali Singh	Assistant Professor, Department of Electronics and Communication Engineering, SRM Institute of Science & Technology, Delhi-NCR Campus, Modinagar, Ghaziabad, Uttar Pradesh, India. Pin Code:201204	India
Dr. Farhad Mehta	Assistant Professor C, School of Pharmaceutical Sciences, U.T.D, RGPV University, Bhopal, Madhya Pradesh, India. Pin Code:462038	India

Abstract:

The proposed invention is a machine learning-based smart detection and illnesses forecasting algorithm in green cloud computing. The system is designed to detect potential illnesses in cloud computing environments, optimizing resource allocation and reducing energy consumption. The system includes a machine learning mod historical data, an alert system that notifies cloud service providers of potential illnesses, and a resource allocation optimization system that dynamically allocates res based on energy consumption and performance metrics. The system is scalable and adaptable to a variety of cloud computing environments and is user-friendly, rec minimal changes to existing cloud computing infrastructure. The proposed invention provides a comprehensive solution to the challenges faced by cloud computing environments, creating a more sustainable and efficient cloud computing system that benefits both cloud service providers and end-users. Accompanied Drawing [Fl

Complete Specification

Description:[001] The present invention relates to the field of machine learning and smart detection algorithms in green cloud computing. The system aims to enha efficiency of cloud computing while reducing the energy consumption and carbon footprint associated with traditional cloud computing practices. The proposed sys leverages machine learning techniques to detect anomalies in cloud computing systems and forecast potential illnesses or malfunctions. The system can alert clouc providers to issues before they occur, allowing for proactive maintenance and reducing downtime. This innovative system combines machine learning, smart detect green computing technologies to offer a new approach to cloud computing that is both efficient and environmentally sustainable.

BACKGROUND OF THE INVENTION

[002] The following description provides the information that may be useful in understanding the present invention. It is not an admission that any of the informati provided herein is prior art or relevant to the presently claimed invention, or that any publication specifically or implicitly referenced is prior art.

[003] further, the approaches described in this section are approaches that could be pursued, but not necessarily approaches that have been previously conceived pursued. Therefore, unless otherwise indicated, it should not be assumed that any of the approaches described in this section qualify as prior art merely by virtue c inclusion in this section.

Cloud computing has revolutionized the way we store, process, and access data. It has transformed the business world, enabling companies of all sizes to access pc computing resources without the need for expensive hardware or IT infrastructure. However, the rapid growth of cloud computing has also led to an increase in ene consumption and carbon emissions, as data centers consume large amounts of electricity to power and cool their servers. In recent years, there has been a growing awareness of the need to reduce the environmental impact of cloud computing and promote sustainable practices

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.