Patent Search

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Inventor

Name	Address	Country
Dr.Ajit Kumar Rout	Professor, Department of Information Technology, GMR Institute of Technology, Rajam, Vizianagaram, Andhra Pradesh, India. Pin Code:532127	India
Dr. M. Lakshmi Prasad	Associate Professor, Department of CSE, Institute of Aeronautical Engineering, Dundigal, Hyderabad, Telangana, India. Pin Code:500043	India
Dr.K B S D Sharama	Professor, Department of ECE, BVC Engineering College (Autonomus), Odalarevu, Dr.B.R.Ambedkar Konaseema District, Andhra Pradesh, India.	India
Prof.Harish	University Professor, College of Computer Science, King Khalid University, Abha, Saudi Arabia.	India
Mrs.Ch.Sridevi	Associate Professor, Department of ECE, BVC Engineering College (Autonomus), Odalarevu, Dr.B.R.Ambedkar Konaseema District, Andhra Pradesh, India.	India
Dr. M. Nagaraju	Assistant Professor, Department of CSE(AI&ML), Institute of Aeronautical Engineering, Dundigal, Hyderabad, Telangana, India. Pin Code:500043	India
Mr.H.M.Naveen	Assistant Professor, Department of Mechanical Engineering, RYM Engineering College, Ballari, Karnataka, India. Pin Code:583104	India
Mr.Nazeer Shaik	Assistant Professor, Department of Computer Science and Engineering, Srinivasa Ramanujan Institute of Technology, Rotarypuram, B.K.Samudram mandal, Anantapur, Andhra Pradesh, India. Pin Code:515701	India
Dr.Kazi Kutubuddin Sayyad Liyakat	S/o Dilshadbegam Kazi, At- Khed, Kegaon Post, North Solapur, Solapur District, Maharashtra, India. Pin Code:413255	India
Mr.Satyabrata Jena	Associate Professor, Department of Pharmaceutics, Bhaskar Pharmacy College, Hyderabad, Yenkapally, Moinabad, Hyderabad, Telangana, India. Pin Code:500075	India

Applicant

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Dr.Ajit Kumar Rout	Professor, Department of Information Technology, GMR Institute of Technology, Rajam, Vizianagaram, Andhra Pradesh, India. Pin Code:532127	India
Dr. M. Lakshmi Prasad	Associate Professor, Department of CSE, Institute of Aeronautical Engineering, Dundigal, Hyderabad, Telangana, India. Pin Code:500043	India
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Mrs.Ch.Sridevi	Associate Professor, Department of ECE, BVC Engineering College (Autonomus), Odalarevu, Dr.B.R.Ambedkar Konaseema District, Andhra Pradesh, India.	India
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Abstract:

The term "internet of things" is used to refer to a system of interconnected devices (IoT). One advantage of an IoT network is that it enables remote control of devices this, IoT has real potential to advance medical care for humans. There are lot of problems for data maintenance and transmission specifically in data conversion proc secure data. For increasing security level data is transformed through security socket layer. The fog computing and cloud computing plays an important role in detect and transmitting the data through IOT devices. The present invention disclosed here is an adaptive and fault-tolerant data processing in healthcare internet of things comprising of: fog computing (201); cloud computing (202); and health care provider/end devices (203). The reliability of data transmission, and fog nodes the perforr improved with the invention disclosed here. The over usage of the resources is controlled with the self-adaptation module of the invention disclosed herein. We have via modeling, that the fault-tolerant mechanism and the self-adaptation module may increase the proportion of deliveries that are successful while simultaneously o distribution of available resources. In addition, a fault-tolerant technique is developed to guarantee consistent transmission.

Complete Specification

Description:FIELD OF INVENTION

The present invention relates to the technical field of Computer Science Engineering.
Particularly, the present invention is related to an adaptive and fault-tolerant data processing in healthcare internet of things of the broader field of cloud computin Computer Science Engineering.
More particularly, the present invention is related to an adaptive and fault-tolerant data processing in healthcare internet of things used to store and maintain the healthcare data securely. The present invention disclosed herein uses fog computing and cloud computing to protect the healthcare data present in the cloud serve through internet of things.

BACKGROUND & PRIOR ART

IoT devices are connected. IoT allows remote device control. IoT can also improve healthcare. Smart items can be used in healthcare to monitor patients remotely. T could improve hospital staffing and response times. It also requires storing and processing massive amounts of data with low latency. Sensor data takes too long to core storage and processing nodes, making traditional cloud computing unsuitable for time-sensitive services. Recently, fog computing is used to overcome the pro

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