



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



(<http://ipindia.nic.in>)

Patent Search

Invention Title	SYSTEMATIC APPROACH TO STUDY THE FACTORS THAT HAVE AN IMPACT ON CYBER DEFENSE USING ARTIFICIAL INTELLIGENCE TECHNI
Publication Number	33/2023
Publication Date	18/08/2023
Publication Type	INA
Application Number	202341032941
Application Filing Date	10/05/2023
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMPUTER SCIENCE
Classification (IPC)	G06N0020000000, G06N0005040000, H04L0009320000, C12N0015100000, G06K0009620000

Inventor

Name	Address	Country
Dr.Yaswanth Kumar Avulapati	Academic Consultant , Dept of Computer Science, S.V.U.College of CM&CS, S.V.University, Tirupati-517502	India
Pratibha Pius	Research Scholar,Education Department,Mar Theophilus Training College,Trivandrum,Kerala,Pin-695008	India
Dr.B.Srinivasa Rao	Professor, Department of Computer Science and Engineering, Gokaraju Rangaraju Institute of Engineering and Technology Bachupally, Hyderabad 500090	India
Dr. Pravin Haribhau Ghosekar	Head, Department of Computer Science, J.M. Patel Arts, Commerce and Science College	India
Dr.R.K.Gnanamurthy	Professor/ECE, VSB College of Engineering Technical Campus, Coimbatore -642109	India
Dr. Anjum Nazir Qureshi	Assistant Professor, Electronics & Communication, Rajiv Gandhi College of Engineering Research & Technology, Chandrapur, PIN-442402	India
Chatakunta praveen kumar	Assistant Professor,Department of computer science and engineering , Institute of Aeronautical Engineering,Dundigal, Hydrabad, Telangana,pin50043	India
Mamatha B	Assistant Professor/ CSE(AI&ML),CMR Technical Campus	India
Badepally Mallaiah	Assistant Professor, Department of Information Technology, CVR College of Engineering, Mangalpally, Ibrahimpatnam, Rangareddy, Hyderabad, 501510	India
VIVEK SINGH KUSHWAH	Senior Member IEEE, USA, Fellow IETE, Professor, Department of Electronics & Communication Engineering, Research Coordinator, Amity School of Engineering and Technology (ASET), Unnat Bharat Abhiyan (UBA) Coordinator, Amity University Madhya Pradesh Gwalior - 474005, Madhya Pradesh, India	India
Sanjukta Mohanty	Asst. Professor, department of Computer Science &Engineering, Odisha University of Technology and Research (OUTR), Bhubanesw, 751003	India
Dr. M. R. Arun	Associate Professor, Department of ECE, Vel Tech Rangarajan Dr. Sagunthala R & D institute of Science and Technology, Chennai - 600062	India

Applicant

Name	Address	Country
Dr.Yaswanth Kumar Avulapati	Academic Consultant , Dept of Computer Science, S.V.U.College of CM&CS, S.V.University, Tirupati-517502	India
Pratibha Pius	Research Scholar,Education Department,Mar Theophilus Training College,Trivandrum,Kerala,Pin-695008	India
Dr.B.Srinivasa Rao	Professor, Department of Computer Science and Engineering, Gokaraju Rangaraju Institute of Engineering and Technology Bachupally, Hyderabad 500090	India
Dr. Pravin Haribhau Ghosekar	Head, Department of Computer Science, J.M. Patel Arts, Commerce and Science College	India
Dr.R.K.Gnanamurthy	Professor/ECE, VSB College of Engineering Technical Campus, Coimbatore -642109	India
Dr. Anjum Nazir Qureshi	Assistant Professor, Electronics & Communication, Rajiv Gandhi College of Engineering Research & Technology, Chandrapur, PIN-442402	India
Chatakunta praveen kumar	Assistant Professor,Department of computer science and engineering , Institute of Aeronautical Engineering,Dundigal, Hydrabad, Telangana,pin50043	India
Mamatha B	Assistant Professor/ CSE(AI&ML),CMR Technical Campus	India
Badepally Mallaiah	Assistant Professor, Department of Information Technology, CVR College of Engineering, Mangalpally, Ibrahimpatnam, Rangareddy, Hyderabad, 501510	India
VIVEK SINGH KUSHWAH	Senior Member IEEE, USA, Fellow IETE, Professor, Department of Electronics & Communication Engineering, Research Coordinator, Amity School of Engineering and Technology (ASET), Unnat Bharat Abhiyan (UBA) Coordinator, Amity University Madhya Pradesh Gwalior - 474005, Madhya Pradesh, India	India
Sanjukta Mohanty	Asst. Professor, department of Computer Science &Engineering, Odisha University of Technology and Research (OUTR), Bhubanesw, 751003	India
Dr. M. R. Arun	Associate Professor, Department of ECE, Vel Tech Rangarajan Dr. Sagunthala R & D institute of Science and Technology, Chennai - 600062	India

Abstract:

Systematic approach to study the factors that have an impact on cyber defense using artificial intelligence techniques is the proposed invention. The invention mainly securing the data which is very important for smoother operation of digital transactions. The invention focuses on analyzing the various threats and the possible solutions. The predictive algorithms are used and results of prediction are displayed on the display unit.

Complete Specification

Description:[0001] Background description includes information that may be useful in understanding the present invention. It is not an admission that any of the information provided herein is prior art or relevant to the presently claimed invention, or that any publication specifically or implicitly referenced is prior art.

[0002] Cybersecurity is security as it is applied to information technology. This includes all technology that stores, manipulates, or moves data, such as computers networks, and all devices connected to or included in networks, such as routers and switches. All information technology devices and facilities need to be secured against intrusion, unauthorized use, and vandalism. Additionally, the users of information technology should be protected from theft of assets, extortion, identity theft, loss of privacy and confidentiality of personal information, malicious mischief, damage to equipment, business process compromise, and the general activity of cybercrime.

[0003] A number of different types of cyber defence monitoring systems that are known in the prior art. For example, the following patents are provided for their supportive teachings and are all incorporated by reference.

[0004] Artificial Intelligence in the Cyber Domain: Offense and Defense:- Artificial intelligence techniques have grown rapidly in recent years, and their application: practice can be seen in many fields, ranging from facial recognition to image analysis. In the cybersecurity domain, AI-based techniques can provide better cyber defense tools and help adversaries improve methods of attack. However, malicious actors are aware of the new prospects too and will probably attempt to use them for nefarious purposes. This survey paper aims at providing an overview of how artificial intelligence can be used in the context of cybersecurity in both offense and defense.

[0005] Effectiveness of artificial intelligence techniques against cyber security risks apply of IT industry:- The aim of the researcher was to determine the effectiveness of artificial intelligence techniques against cyber security risks particularly in case of Iraq. Researcher has opted for quantitative method of research design along with data. The researcher collected the data from employees working in this IT industry. The sample size for this study was 468 and confirmatory factor analysis. discrim

[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