

Use of the Neural Network in Database

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Abstract:- This paper summarizes the using the neural network in fetching the data from the cloud and handling the problems that software faces.

We know that human brain has neuron which has ability to pass message and think over the particular situation and apply the operation according to the previous experiences to our every action. This neurons has ability of self-learning so that at next time it uses the previous experience and tackle the situation easily.

This neural network prevent us from directly contact with the database so in any case the person tries to reach the actual database of cloud then he is unable to reach it because of the neural network as it's hidden layer prevent from directly contact with actual database of cloud. Also this network helps us to learn from the previously experience and tackle the current situation

Key Words: - Self-thinking for applications, Protect from malware attacks, making software user friendly

1] Introduction

Due to the innovation of Neuron network our daily work becomes easier and also fully automatic. It is design to learn for the software from

Previously situation and implement in current action so it makes the software more robust and user friendly

For e.g.- If the some enters the value that crashes the software then in normal application or software we have to find that condition and implement in our code but in neural network it will detect the problem and store in it so at next time it will not except that value and avoid it from crash.

2. PRINCIPLES -

2.1] Robust:-

By this neural network technique it helps to recognize the error and then stores that error so that at next time it manages that error. So by this crash of software and

application problems resolve and the software becomes user-friendly.

2.2] Connectivity:-

Neural network technique helps in indirect contact with database of cloud in this technique middle layers are present to carry the data forward so by this user cannot directly contact with database actually as it has to pass from this middle layers this are also known as hidden layer which prevent our software data.

2.3] Uniqueness:-

In normal applications if the error occurs then it has to be pass from developers phase and developer has to fix that bug. But in this technique developer has to just only develop at one time then software will recognize if there is some error then it will save that error and then it will resolve itself that problem. So this software has self-thinking technique which helps him to make robust.

2.4] Security:-

If some malware attack occurs then this technique avoid from such attack because in this hidden layers present which avoids us from directly contact with main database this hidden layer use to carry the information forward. Hence this malware and other attacks are provided.

a] THE BLOCK DIAGRAM OF NEURAL NETWORK

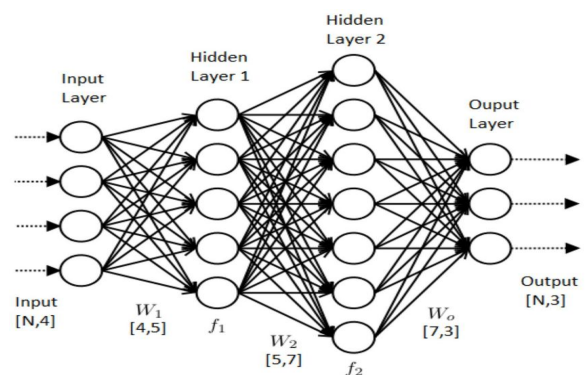


Fig. Block diagram of neural network

3] Working of Neural Network in Database

In this neural network technique it avoids the user to direct contact with database in applications data container are used to store the data from the cloud data by this technique data from cloud is pass to the data container and then it is use by the user in this data container act as a hidden layer which avoids directly contact with the database. In many cases for loading data from cloud it required more time and doesn't makes the software quick and user friendly by just loading the data one time and then using it for numbers of time.

For e.g.:- In one application the according to location it loads the services in normal applications the location has to load from the cloud then again according to that location we have to load services from cloud so in this it connects twice where as in neural network we have to just load all data on loading page so it does not required to connect twice.

In this application developer has to just develop the application at one time then the application would check if the error occurs then it saves that error and use it next time it avoids the user to enter the value that he enter previously. So by this technique our application not only becomes robust but it becomes self-thinking software. Where as in normal network the software if crash then developer has to find the bug and then fix that bug hence this cause more time.

4] Conclusions

By this neural network technique in database the software becomes robustness as well as self-thinking so that it may learn from previous situations and implement new technique to handle that situations.

It provides us from malware attack with the help of middle layer that are also known as the hidden layer which provides direct contact with the database and keeps our database safe.

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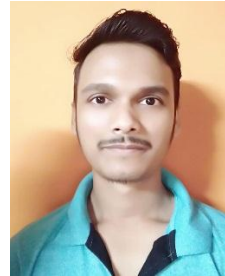
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