

Artificial Intelligence Bot for Facebook Page and Group Auto – Posting

Prof. Suraj Dhengre

Wainganga College of Engineering and Management, Dongargaon, Nagpur, Maharashtra Department of Computer Science and Engineering

Abstract: Artificial Intelligence is an area of computer science that deals with giving machines the ability to seem like they have human intelligence. In simple language, we can say that “The power of a machine to copy intelligent human behavior.” The BOT (short for “ROBOT”) is an automated program that run over internet. However, there are several bots which are actually working for automatic response to a messages. In these paper, we have investigated an artificial intelligence bot which in capable of Facebook Page and Group Auto – Posting automatically and securely, which will ensure that the same post or the same messages should not be posted repeatedly Keywords: Artificial Intelligence (AI), BOT (short for ROBOT), Non Repetition Mechanism

I. Introduction

An Artificial Intelligence is the ability of the Machine to perform any task with its own intelligence. In these software we are creating a bot that will automatically post the updates and the will be able to send the b required messages automatically i.e., in absence of human being. For example, a business might use the AI BOT to publish their product details or respond their user all day, whenever it is required. The mostly used programming languages are PHP and some coding's of ngrok using command prompt. The bot works according to its schematic description. If the bot gets any copyright issues then it suddenly inform it These will help the user as well as customer to get interacted with each other at any moment of time. to the database and the copyright issues will be solved.

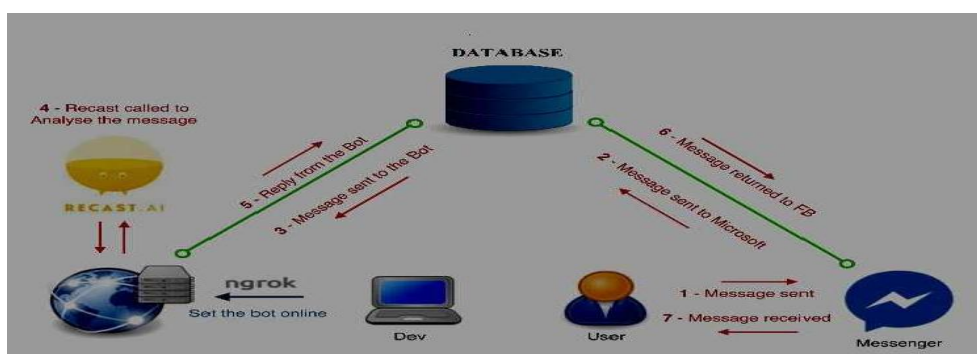


Figure1 . Artificial intelligence Bot Working.

II. Working:

These bot works on the principle of RDBMS (Relational Database Management System). We are using database because of removing the redundancy occurred during the posting or messaging. Firstly, the user will sent a message of a post to the messenger i.e., Facebook. Then these posts or messages will store at the Database, which will contain the information about source of the sender, receiver and the referential website. If the same post or messages comes with a redundancy then the database will manage it and removes the redundancy by comparing it.

Type of Bots:

There are mainly two types of BOTS i.e., Editing Bot and Non- Editing Bot.

a) Editing Bot:

These bot imports the entries from a public, database. There is not an implementation of a user interface seeing possible entries by the request of the user. Automatic importer imports a batch of entries from the public database. If used, it is expected that it imports entries that are as well-formed as possible. Other

automatic tools and scripts includes spell-checker and the possibilities of these automatic tools are endless. Anti-vandalism finds the pages that have been blanked or nearly blanked and if weighted set dictionary of <new version> is far less significant than <old version>notes it on some maintenance page and reverts. Newer version of anti-vandalism bots are more extensive and have been able to automatically revert a large portion of the vandalism that occurs. Ban enforcement finds and reverts changes by suspicious new user IPs (open ports) to page targeted by sock puppets as a possible recurrence of a banned user using alternate IP addresses. Older users can restore any such edits that don't appear to be by the banned user in the question.

b) Non-editing Bo:

Data Miner is a tool which attempts to use information extraction techniques to extract structured information from Wikipedia. If you want to do this, it is download a database sump and run the boton your own server. You will get vastly better performance, and will not interfere with other Wikipedia users, or cause unneeded network traffic. The only one disadvantage of this is that your copy of Wikipedia will not incorporate the most recent changes, but this should not be too big an issue for mos information extraction applications. Vandalism identifier uses heuristics to search for possible uncorrected vandalism which prevents changes by own vandals, curse words list, etc. Copyright violation identifier is similar to vandalism identifier, compares chunks of text on new pages to what already exists on the internet; reports possible infringements to a page where human editors can review. One example of this type of bot would be Coren Search Bot.

Why Used Editing Bot?

While taking the contents of our post from the Internet, we get it in the form of some symbolic structures and other kinds of Inspect Elements such as, the \$ symbol, Hypertext, Colons, etc.For editing of these kind of symbolic errors and unwanted things we use Editing bot. The main advantage we get here by using the editing bot is that, only the necessary or the wanted things will be provided to the user as requirement.

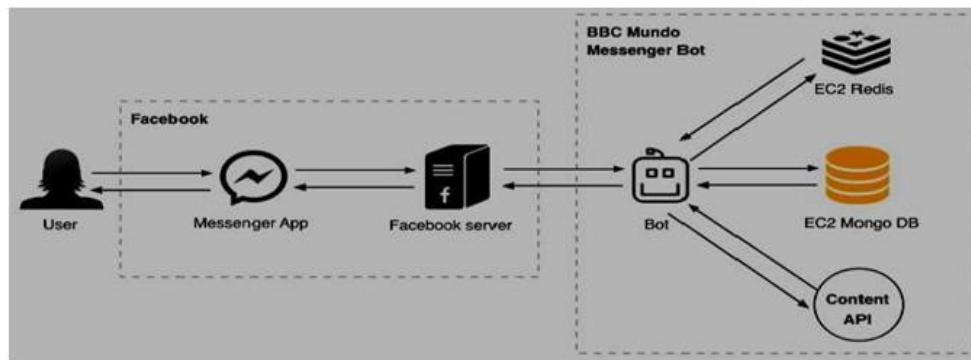


Figure2- Working of Ediying bot.

As we can see in above Figure 2, the user sends a message to the Facebook and the the Facebook connects it through its server and the the Editing Bot edits the required information accord needs. Then the edited information gets send back to the Facebook server and then the user gets a completed systematic information expecting from the Bot. The main benefit of these bot as he/she is that it automatically scrap the information from the required source and perform these all applications or procedure according to its predefined steps

Components used:

There are several components which we have been using for creation of these Bot. Such

- Scraper
- Ngrok
- Google alerts
- Xampp Server (Port 443, 80)
- Atom (Open source editor)

Let's get know about each of them in short with their functioning in our required information:

a) Scraper:

Software and the other The main use of the scraper in these software is that it will extract all the information form

the give source or site and then it will send it to the Editing Bot which will responsible for the useful and informative extraction of the Scraped resources.

b) Ngrok:

The main function of Ngrok software is that it is according to its multiplatform tunnelling that establishes secure reverse proxy software tunnels from a public end point such as internet to a locally running network service while capturing all traffic for



Figure 3 –Working of Ngrok.

c) Google Alerts:

The main use of Google Alerts in these software is that, it provides the specific news and alerts according to the need of customer. These is the best advantage for the user that they gets the all necessary information about their specific feeds. To edit the information from that feed we use Editing Bot, these bot will provide user their required Heading of the topic and the contents of that heading.

d) Xampp Server (Port 443, 80):

Xampp is a free and open source cross web server solution stack packages developed by Apache Friends, consisting mainly of the Apache HTTP Server, Marial DB database, and interpreters for scripts written in the PHP and Programming languages.

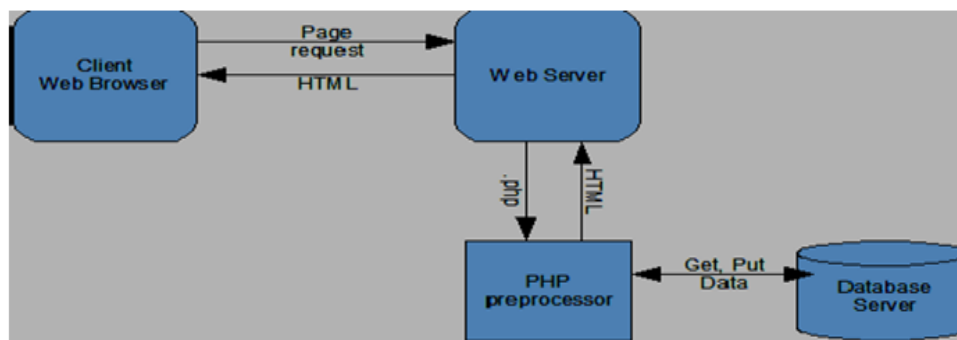


Figure 4 Working of Xampp Server.

In these application, the Xampp server provides an important role as it runs the Oracle Database and Apache server using the ports 443 and 80 respectively. These software help us to manage the Database and Apache server for running and executing the PHP coding languages using advance open source editor i.e.,

e) Atom (Open Source Editor):

The Atom is a free and open source code editor for Windows, Linux and OS X with support for plug-ins written in Node.js, and embedded Git Control, developed by Git Hub

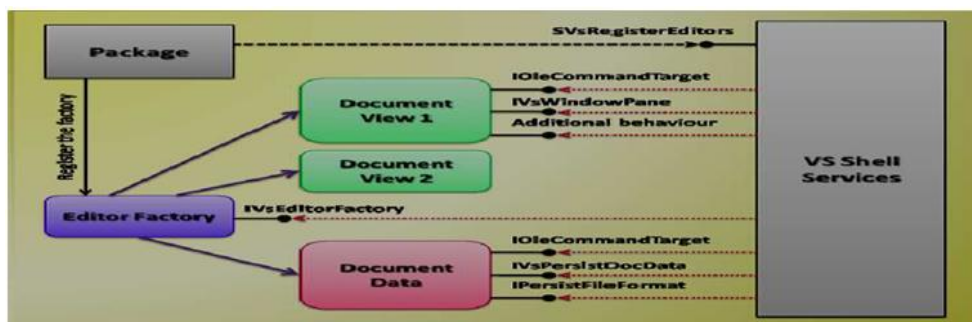


Figure 5- Working of Atom (Open Source Editor)

Atom is a desktop application built using web technologies. Most of the extending have free software licenses and are community built and maintained. Atom open source is used because of its intelligence auto syntax so that the syntax error while coding.

Applications Of Auto-Posting Bot:

- Business Advertising
- Personal Posting
- Automatic Response to Messages
- Media Updates
- Colleges and Schools
- Universities
- Defences Regarding Postings

III. Conclusion:

The deployment of Artificial Intelligence Bot on the working principle of Facebook Auto-Posting and Messaging will get uploaded online for the automatic performance of their tasks. Firstly, all the files will be uploaded on the online server by using FileZilla application. Then these uploaded bot will perform as an interpreter between database and the Facebook server as well as Facebook server and the user.

References:

- [1]. Elaine Rich, Kevin Knight, Shivashankar B Nair, 'Artificial Intelligence', year 2009, Chapter -1, page no. 3-4
- [2]. En.wikipedia.org/wiki/Artificial_Intelligen ce
- [3]. Techterms.com/definitions/bot
- [4]. En.wikipedia.org/wiki/Wikipedia:Types_o f_bots
- [5]. En.wikipedia.org/wiki/Internet_bot
- [6]. Merriam.webster.com/dictionary/artificial %20intelligence
- [7]. Bing.com/search?q = Ngrok + Software & FORM = HDRSCI
- [8]. Bing.com/search?q = working + of + editing + bot & form = EDGHPT &q s = PF&cvid = dd9bcF06760c4533a84e7207 8d2e628e & cc = us &setlang = en_us
- [9]. Bing.com/images/search?q = working + of + editing + bot & FORM = HDRSC2
- [10]. Bing.com/images/search?q = ai + bot +diagram & FORM = HDRSC2
- [11]. Bing.com/search?q=artificial+intelligence +bot+for+facebook+page+and+group+aut
- [12]. o+%E2%80%93posting&form=EDGHPT&q s=PF&cvid=b84941a38931482a932808447bf5a2dd&cc=US&setlg=en-US
- [13]. l)Bing.com/images/search?q=digramatic+working+of+xampp+server+&FORM=HDRSC2m)Bing.com/search?q=applications+of+a uto+posting+bot&form=EDGEAR&q s=PF&cvid=5ba4d6be9c5a44c29667766be9163f5d&cc=US&setlang=en-US