AI Chatbot For AI

Kaizen Training - BootUp

Submitted By: Mohammad Hamid - Mohammad Shahin Reviewed By: Anshu Pandey

2019

Index

[Project Overview: 2](#_Toc7456588)

[Objectives: 2](#_Toc7456589)

[To Build Powerful AI Focus on the Data Not the Chatbot 2](#_Toc7456590)

[Record your notes/research here: 3](#_Toc7456591)

[Possible Data Sources - 3](#_Toc7456592)

[Possible Technical ways to achieve the results – 4](#_Toc7456593)

[Transfer Learning Application – 4](#_Toc7456594)

[Summarize what you learned: 4](#_Toc7456595)

[Add links to your research or article here - 4](#_Toc7456596)

# Introduction

There is quite a decent number of startups and companies that offer AI chatbot solution.

Similar attempts have been made in organization like Liveperson which is founded in New York in 1995, and they are trying to solve the communication gap between companies and consumer across all sectors and use the data for further insights. They offer intelligent, secure, and scalable chatbot which is integrated to “LiveEngage” platform which is the human interface, which create meaningful data and insights about the consumers and who engaged with the chatbot and will escalate in case the bot couldn’t response to the query.

This project aims to create a reliable and fast reference library for general AI queries, best practice across the fields and guide the querier though the steps of frequently used ML & DL. The final outlook of the project will be in integration to famous chat application like Telegram. It will support both text and voice inputs in English

To Build Powerful AI Focus on the Data Not the Chatbot

When building powerful Artificial Intelligence (AI), you need to consider what role the chatbot plays in the value you’re trying to provide to the user. A chatbot is just a visual courier of inputs and outputs in the form of a conversational message. The inputs are the users’ responses to the chatbot, and the outputs are the chatbot’s messages to the users. A chatbot is merely a visual user interface (UI) used to present these inputs and outputs in a user-friendly manner.

Database used was

Transfer Learning Application

# Objectives:

* Chatbot with NLP
* reply on general AI question
* explain What AI is and what is the difference between Normal intelligence, ML and DL
* collect the course information and include it
* high-level information about the best neural structure
* high-level descriptive summary about available training models
* AI best practice
* chose the best neural structure for different problems
* chose the best available learning model
* Chose the best activation tool for different problems
* Links and Reference to famous articles and websites

**Requirements/Task(s):**

Will use three different models and will compare performance:

* Chatterbot

This project will be over two stages, the first production model and if the model showed great performance and high success rate, stage 2 and would be developed

V1- General AI chat bot

V1- Integrate with database

V1- Integrate voice

V1- Integrate with a chat application

V2- Integrate with web app

V2- Integrate with mobile app

V2- Error correction

V2- Improve performance