**VEERA BRAHMA CHARY**

PG Diploma in ARTIFICIAL INTELLIGENCE (PG-DAI), CDAC Noida

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* <https://ai2020qml.blogspot.com> Github <https://github.com/rveerag567>

**Skills**

Python 3+ Golang

Linux (basic) NLP

TensorFlow Keras

HTML JavaScript

Face Object Detection

PySide2 Qt

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| **Domain Experiences Technical Industry** |

**Researcher Project Fellow** Origin 8 Material Sciences

@ IICT, Hyderabad Python 3+ R&D Industry

Nov’2013 – Feb’ 2018 Excel

**Teaching Assistant Professor** MS Office Education

@ NIT, Group of NEC

Sep’2010 – Jun’2011

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| **Projects** |

**Chat Bot** (with NLTK, TF-IDF, scikit-learn cosine similarity)

* Chat bot developed with ML and AI to make conversation and to provide answers as per their requirement by making Chat Bot using NLTK which is used to build programs in python with WordNet
* By doing text processing libraries for classifying, tokenizing, stemming, tagging, parsing and semantic reasoning. TF-IDF is a statistical method used to evaluate the frequency of words based on its weight in document. Here I did a normal basic chatbot using all these libraries. I should do more work on it.

**Face and Object detection** (with OpenCV, r-CNN)

* Face Detection – Ability to detect the location of face in the frame and the output will get in the bounded box coordinates of the detected faces. Face Recognition – By Comparing multiple faces together to identify the specific persons face precisely using embedding vectors
* Emotion and Object Detection – Classifying the emotions on the face such are happy, surprise, angry, sad, normal etc. and identifying the objects using r-CNN

**Speech to Text to Execution (**with Speech Recognition and Google Speech API)

* By the combination of Speech Recognition with Google speech API and OS module I have been executed the desktop default applications using voice based command to the program without typing or click on.
* Speech Recognition – which can recognize the voice from the user and Google speech API used to convert the text in the proper way and the OS module takes the input as text and explores the relevant installed application. Examples are Microsoft Cortana etc.

**File Explorer using PySide2, Qt5**

* PySide2 – python module biding of the cross-platform GUI toolkit Qt which is used for UI framework.
* Qt 5 – which is alternative to the Tkinter python standard library to make certain windows for explorer and other related frames.
* My work to make an alternative to open explorer and also video player should play within the explorer.

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| **Education** |

Center for Development of Advanced Computing (CDAC), Noida (2019 – 2020)

**PGDAI** – PG Diploma in ARTIFICIAL INTELLIGENCE **60%**

Acharya Nagarjuna University – ANU PG Center, Nuzvidu (2008 – 2010)

**MSc** – PHYSICS **71.5%**.

Magadh University – Gaya College, Gaya (2004 – 2007)

**BSc** – MATHS **63.8%**

Andhra Pradesh Board of Intermediate Education, Bhashyam Jr College, Guntur (2001 – 2003)

**12th** – HSc (M.P.C) **66.7%**

Andhra Pradesh Secondary School Education, B.H.H.G.J.C, Guntur (2000 – 2001)

**10th** – SSC General **72.6%**