

EDUCATION

Guvi Geeks, Chennai

Apr 2022 – Oct 2022

Master Data Science Program

AMS College Of Engineering, Chennai

Aug 2016 – Apr 2020

Bachelor Of Computer Science

SKILLS

Machine learning

NLP

Python

Data Analysis

My SQL

Deep learning

Tensorflow/Keras

Pandas

Web Scrapping

Computer Vision

Power BI

Streamlit

AI

Flask

Pyspark

PROJECTS/EXPERIENCE

CONVERSATIONAL CHATBOT

Dec 2022 – Jan 2023

- Crafted and integrated a conversational **chatbot** that swiftly responds to user inquiries by accurately identifying the **tag** of the text data.
- created a JSON file, partitioned with curated selection of tags, queries, and responses. Utilized **bag-of-words** techniques to train an Artificial Neural Network (**ANN**) on the text corpus, achieving a flawless accuracy of **100%** within 200 epochs.
- Utilized the pre-trained model to predict the results of new text data, successfully identifying the tags and pulling the appropriate response from the JSON file.
- Constructed a user-friendly conversational application with help of **Tkinter**, enabling seamless communication between the user and the bot

SENTIMENT ANALYSIS

Sep 2022 – Oct 2022

- Developed a classification model using **LSTM** to identify the sentiment of text sequences as either positive or negative.
- Conducted **data pre-processing** on over 1 lac+ records, which includes cleaning, tokenization, lemmatization and calculating sentiment score using **VADER** method for training the model.
- Performed some simple exploratory data analysis and transformed the data to one hot form for converting them into word embeddings using traditional method.
- The model achieved an accuracy of **93%** on training data and **84%** on validation data, and was used to build a web application for classifying text input using **Flask**.

CERTIFICATIONS

- **IIT-Madras** Certified Advanced Programming Professional & Master Data Science.

Apr 2022 – Oct 2022

LANGUAGES

- ENGLISH [Professional Proficiency]
- TAMIL [Native/Bilingual Proficiency]
- HINDI [Limited Professional Proficiency]

INTEREST

- ARTIFICIAL INTELLIGENCE
- BIG DATA
- CLOUD COMPUTING