Mosif Chat Bot DL

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Introduction

First aid is the provision of initial care for an illness or injury, usually performed by a non-expert person to a sick or injured person until definitive medical treatment can be accessed by a professional

Goals

The Quick answer when someone an injury occurs

Helping people and treating them with first aid

Data

Our data consists of 3 types it is Tags, Patterns Responses:

- The type data is intents
- The size data is “46” Tags

Pre-processing

Load & Split

1

2

NLP Cleaning
Tokenization
Vectorization

Encoding

3

Modeling DL

- Bassline LR
- NN Bassline
- Simple NN Model
- NN Model With Embedding Layer
- CNN Model
- Sentiment Analysis

Bassline

	Training	Test
Logistic	٠,٩٨٧	٠,٥٧٥

NN Bassline

- **NN Bassline**

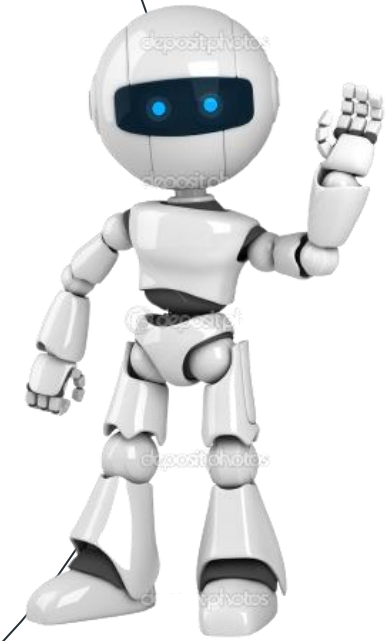
Loss 2.6773

Accuracy 0.2462

Best Model

NN Model With Embedding Layer

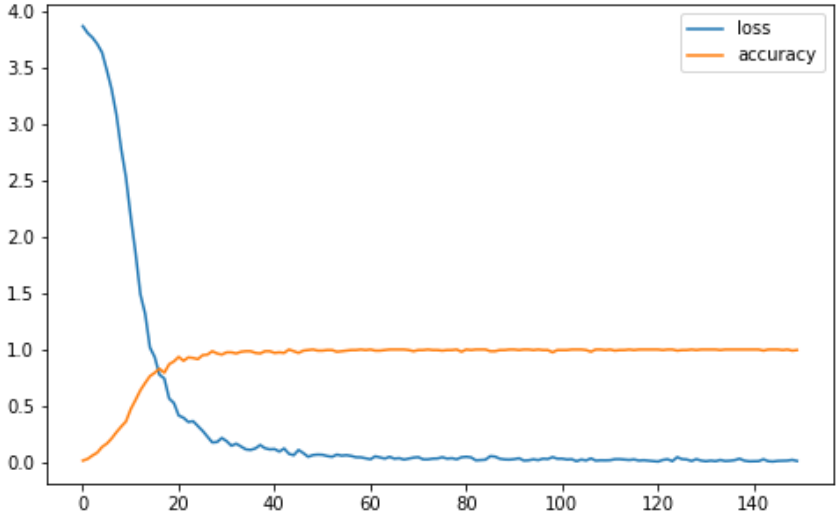
GlobalAveragePooling1D
Dense ➔ 16
Activation ➔ relu
Early Stopping ➔ “ loss”

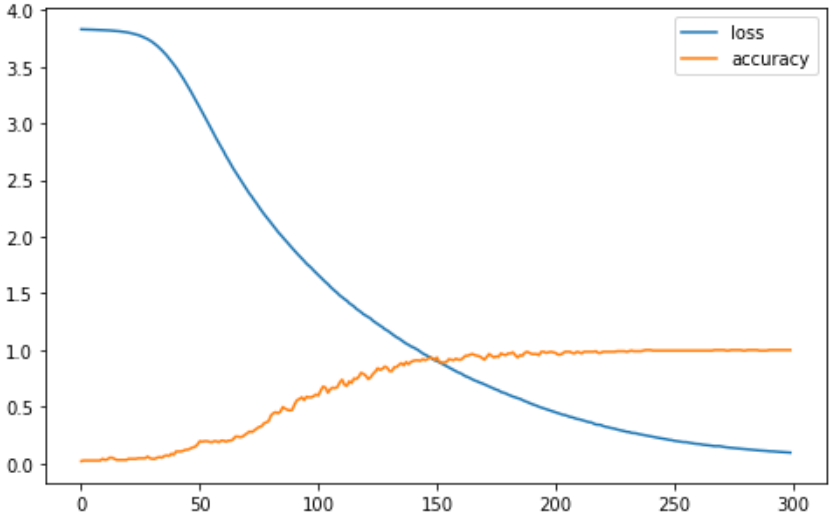


Simple NN Model

- Loss 0.0120

- Accuracy 0.9950



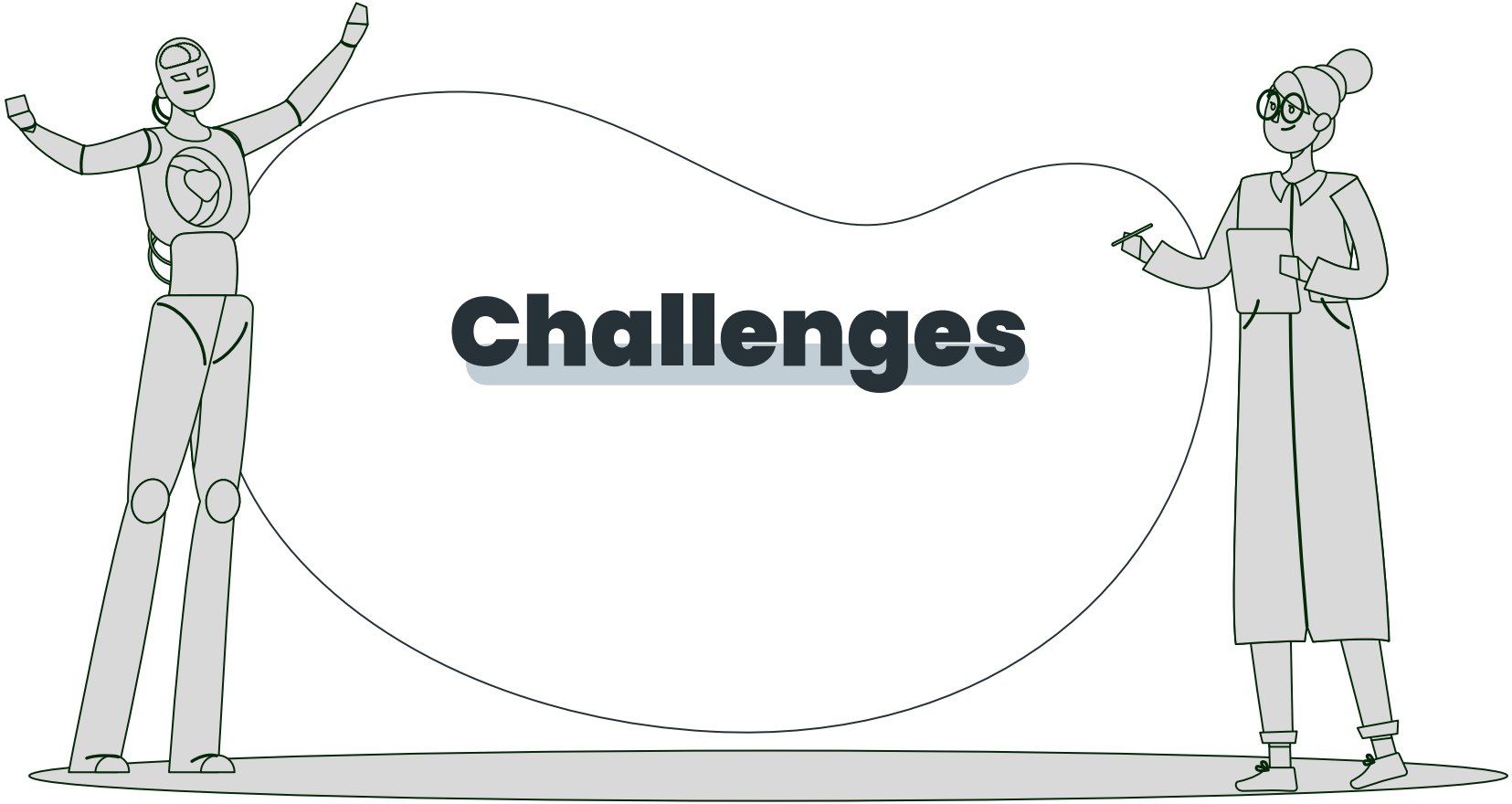


NN Model With Embedding Layer

- Loss 0.0952

- Accuracy 1.000

Challenges



Sentiment Analysis

- Data
- Naive Bayes
- Random Forest

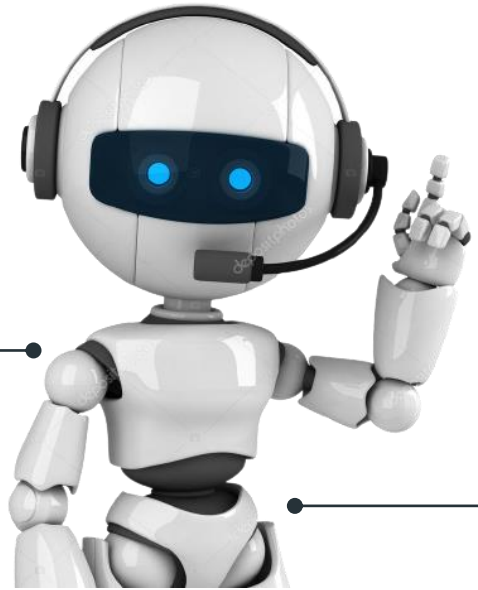
Tools

Front-end

- Figma
- HTML
- CSS

Tools

- Vs code
- Git & GitHub
- Jupiter
- NLTK
- Panads & Numpy
- Keras
- tensorflow

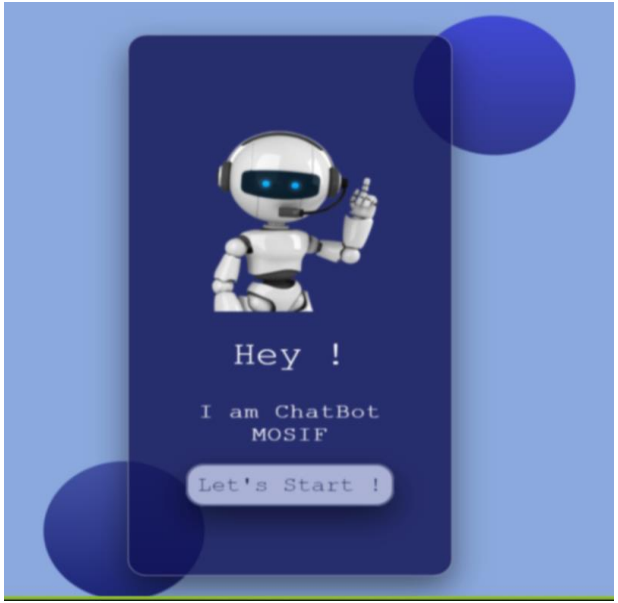


Back-end

- Python
- JavaScript
- Flask

Demo

Let’s go to show you our App, it’s name” Mosif” Chat Bot ☺



Future Work

A

Change the data to Arabic Languages

B

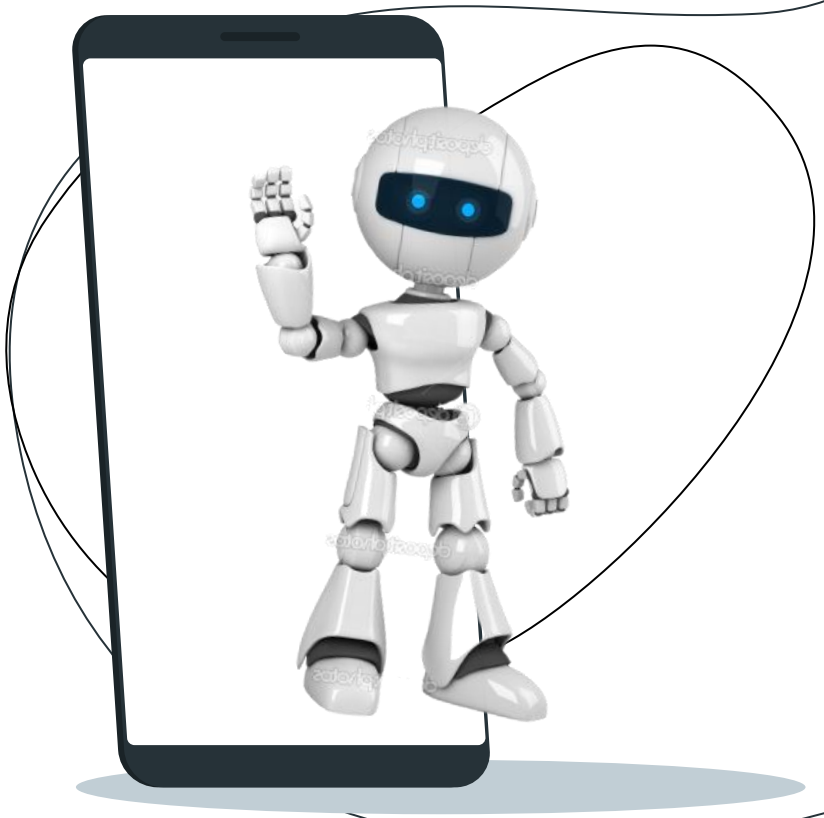
add all info about the case to sehati app

C

add voice assistant to can chatbot answer fistar

D

Add Photo assistant to know the mosif disease



Thanks!

Do you have any questions?