

# Mosif Chat Bot DL

Teams:

- Lama alziyad
- Afnan Alshehri
- Kholod Alshehri



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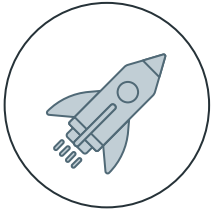
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**Result**

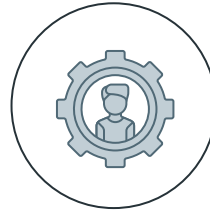
# Introduction

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**

**Padded sequences**

1

2

3

**NLP Cleaning**

Tokenization  
Vectorization

# Modeling DL

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

# Baseline

	Training	Test
Logistic	0.987	0.575



# NN Bassline

- **NN Bassline**

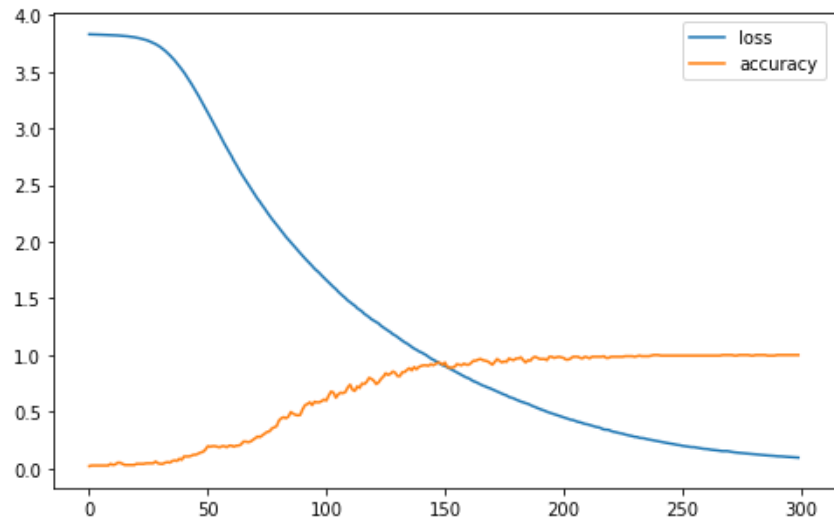
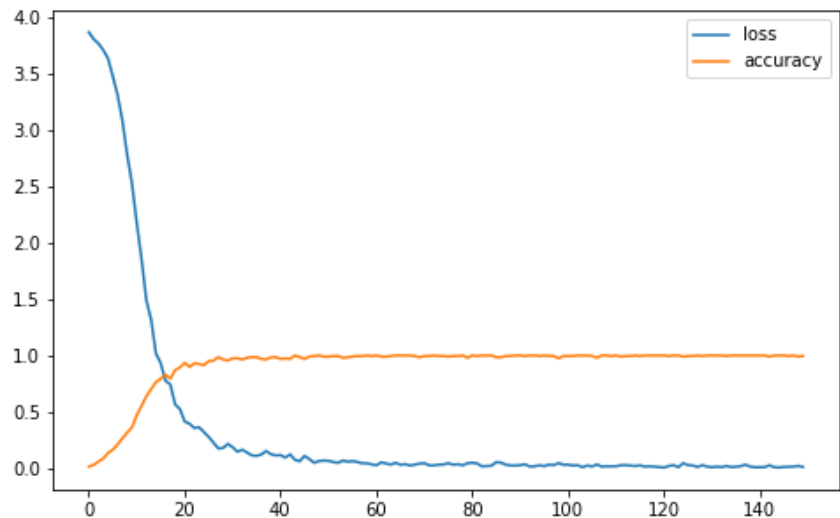
Loss 2.6773

Accuracy 0.2462

## Simple NN Model

- Loss 0.0120

- Accuracy 0.9950



## NN Model With Embedding Layer

- Loss 0.0952

- Accuracy 1.000

## Best Model

### NN Model With Embedding Layer

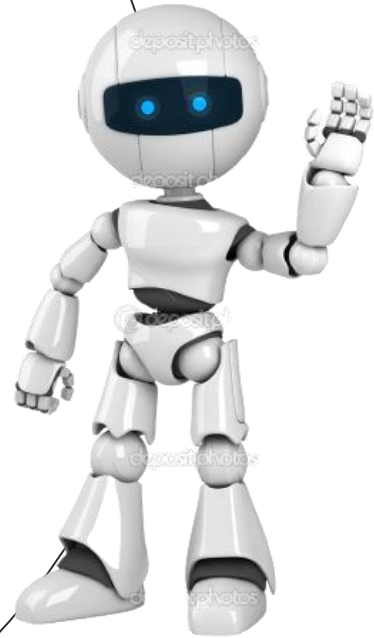
GlobalAveragePooling1D

Dense → 16

Activation → relu

Epochs → 300

Early Stopping → “ min loss”





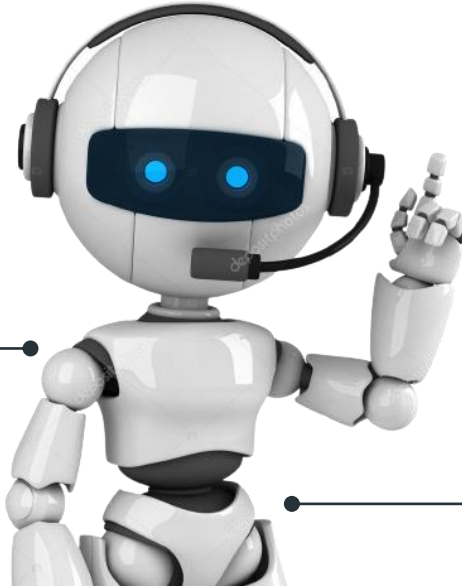
# Sentiment Analysis

- **Data**
- **Naive Bayes**
- **Random Forest**

# Tools

## Tools

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



## Front-end

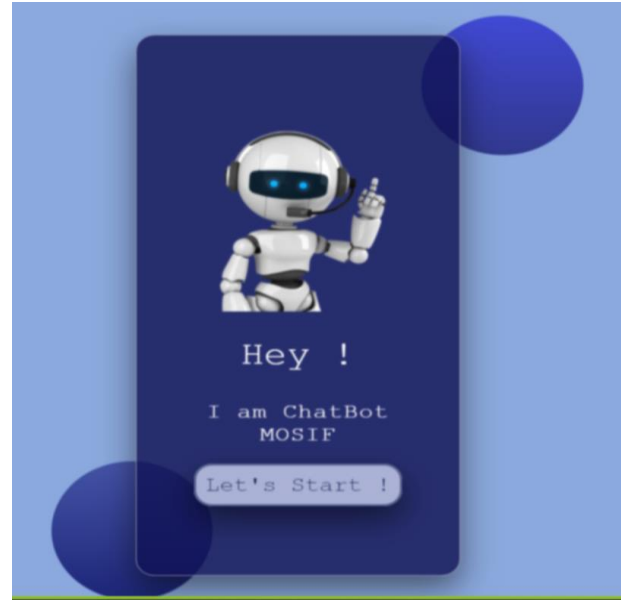
- Figma
- HTML
- CSS

## 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

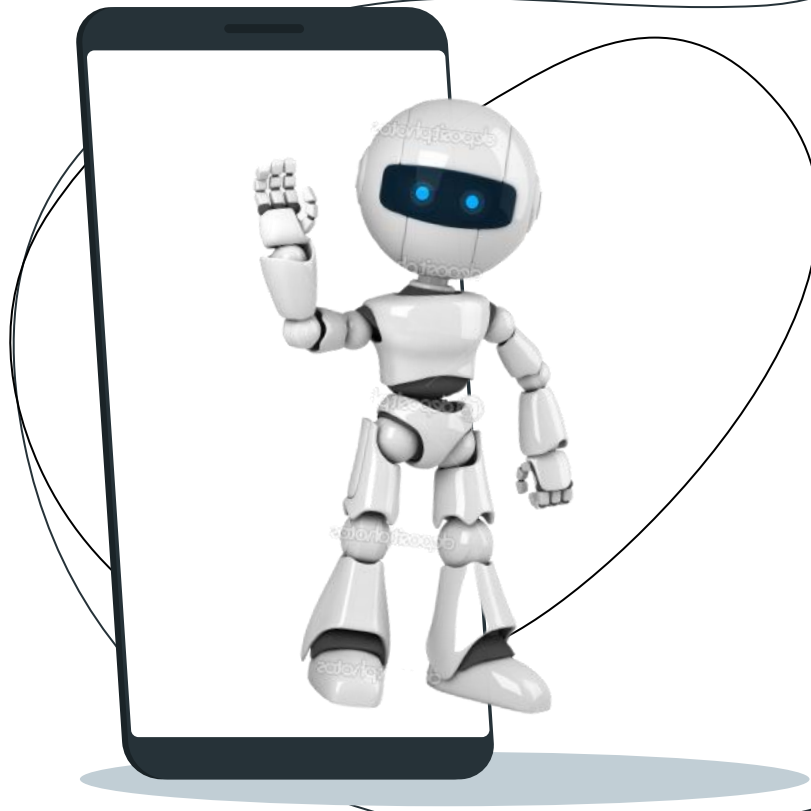
**C**

add voice assistant to can chatbot answer fistar

**D**

Add Photo assistant to know the mosif disease





# Thanks!

Do you have any questions?

