



Lolly - Emotional ML Chatbot

HERE TO HELP YOU OVERCOME YOUR EMOTIONS



By Latif Yahia

BEng (Hons) Software & Electronic Engineering



WHAT IS A LOLLY?

Lolly is an emotion-based chatbot that communicates to the user depending on the emotions detected through the user's facial expressions. Depending on what emotions are seen, Lolly will communicate to the user differently.

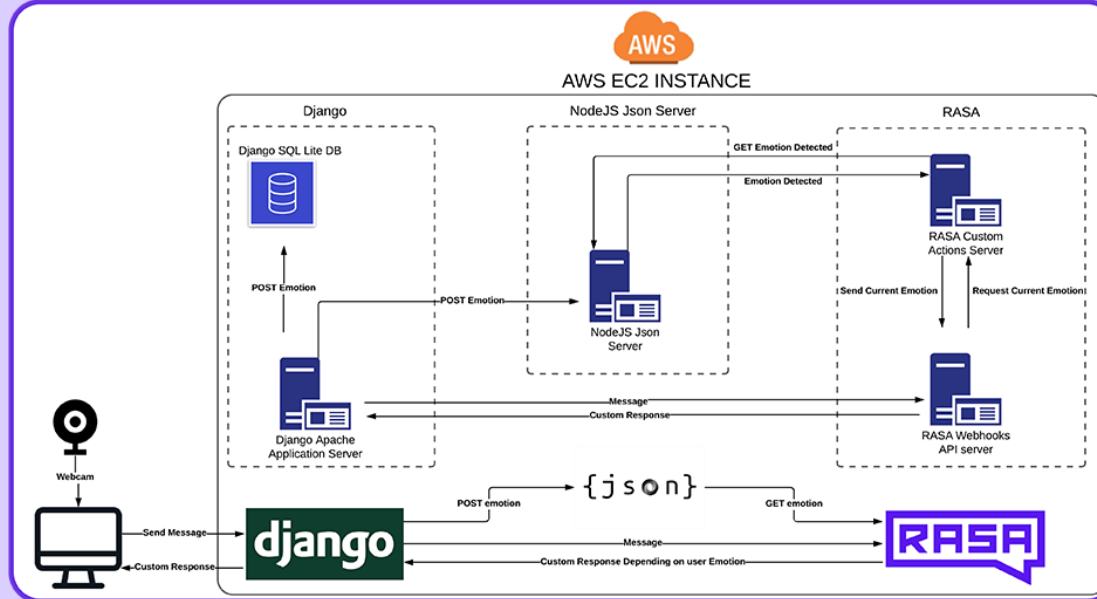


GOAL

Lolly's purpose is to help people overcome their emotions throughout the coronavirus lockdown. We know that people are on lockdown and find it hard to talk to other people about their feelings. Lolly is here for anyone to talk to about anything.

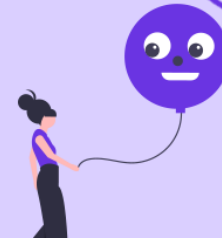


ARCHITECTURE DIAGRAM

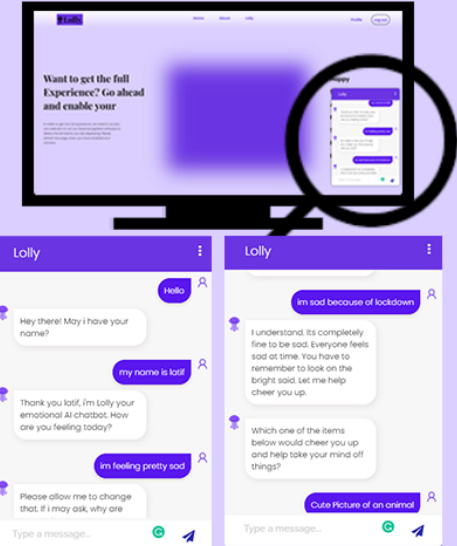


FEATURES

- Facial Recognition
- Machine Learning
- Chatbot Communication
- User Registration
- Personal Profile
- Personal Emotional Detection Statistics



RESULT



TECHNOLOGIES

Software Tools

- AWS
- Django
- RASA
- NodeJS
- Python
- JavaScript
- CSS/SCSS
- HTML
- YAML

Libraries

- Face-API.js
- Chart.js
- Bootstrap.js
- GSAP.js
- jQuery.js
- AJAX.js
- ScrollMagic.js
- Bootstrap.css
- Materialize.css