# Research

These are research insights for the edukut project.

## An Avatar SDK

[Botlibre](https://www.botlibre.org/) as an SDK for avatars. This is the existing open source alternative to our Wave2Lip. This is also a viable alternative to rasa and it could also be used alongside rasa.

## A Platform For The Users’ To Train Their Bots

[Botfront](https://botfront.io/docs/rasa/conversation-builder/) this code has an UI interface and a training-deploying pipeline for the users’ to train their bots. This is an meteor application packaged as a docker container. More, relevant information and tools (like chat UI) regarding botfront can be found [here](https://github.com/botfront). Botfront is also open source and its code is publicly available.

Alternatives to botfront: [Botmock](https://botmock.com/).

## A Tutorial For Conversion Of Pytorch Models To ONNX

Tutorial: https://pytorch.org/tutorials/advanced/super\_resolution\_with\_onnxruntime.html

Colab notebook: https://colab.research.google.com/github/pytorch/tutorials/blob/gh-pages/\_downloads/8c7f0be1e1c3803fcb4c41bcd9f4226b/super\_resolution\_with\_onnxruntime.ipynb#scrollTo=lLWS0t6ibuHN

## Rasa Related Documentation

Rasa API tutorial: https://dev.to/petr7555/rasa-rest-api-4kp6

Rasa http API: https://rasa.com/docs/rasa/http-api

Rasa action server: https://rasa.com/docs/rasa/pages/action-server-api

Rasa custom actions: https://rasa.com/docs/rasa/custom-actions

## Chat UI

[This](https://github.com/JiteshGaikwad/Chatbot-Widget) is an alternative to botfront’s chatbot widgets.

## Voice Cloning

The voice cloning can be used for replicating the user’s voice. The code and relevant documentation are sent along with this.