Intercoach

Strive school graduation project

Made by Umut Aktaş



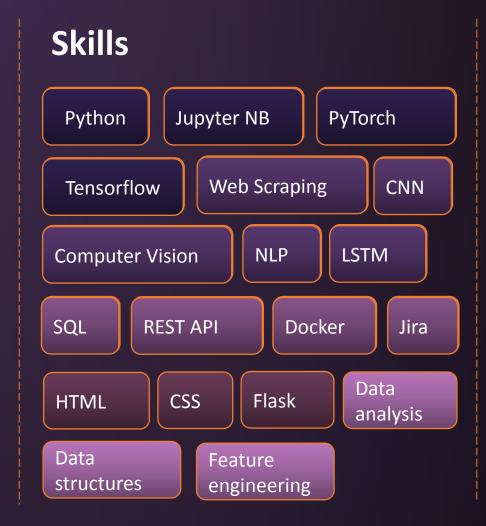
About me

Background

6 years in mechanical engineering

Dokuz Eylül University
MAN Turkey

- Design engineering
- Lean Production
- Design programming
- Mathematics
- Predicting production failures
- Project management



New challenges

- Al engineer
- ML engineer
- Data analyst
- Data scientist
- Business analyst

Intercoach

Intercoach helps candidates, HR specialists and managers

Key features;

- Speech fluency
 - Duration of answer
 - Hesitation
 - Pauses
 - Speed of speech (wpm)
- Facial Emotions
- Positivity of your voice
- Positivity of your word usage

Here are your overall results

AVG. DURATION OF ANSWER, SPEED OF SPEECH, WORDS PER MINUTE

200

300

LONG

FAST

HESITATION,

PAUSES,

2

3

NORMAL

NORMAL

Facial Emotions



NEUTRAL 25%



14 APPY

You did a very good job today!



Your voice sounds

Negative



Your usage of words shows that you are

Positive

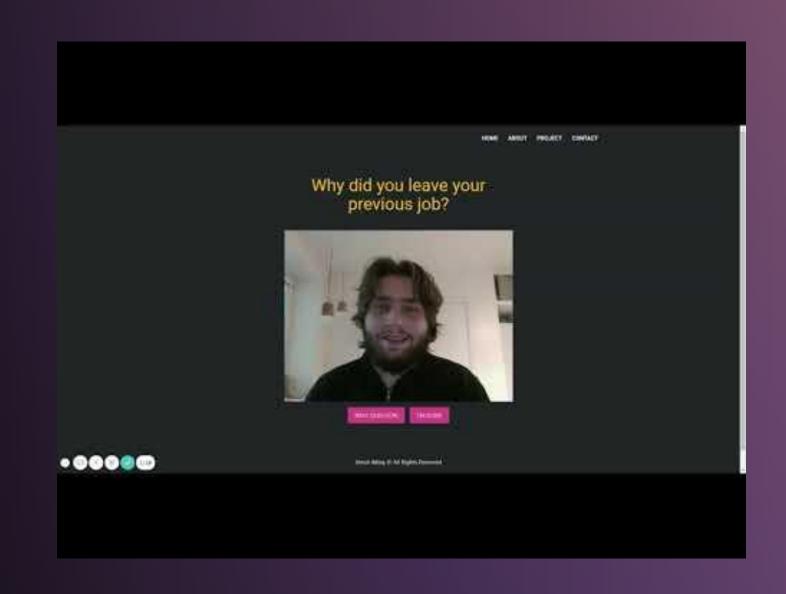




Intercoach helps candidates to prepare for the job interview

How to use:

- 1. Open the Intercoach
- 2. Receive typical job interview question
- 3. Record your answer on the video
- 4. Al analyses your mimics, tone of voice, speech and word usage
- 5. Program compares your results with benchmarks
- Analyze impression that you will give to the interviewer
- 7. Read tips how to correct yourself

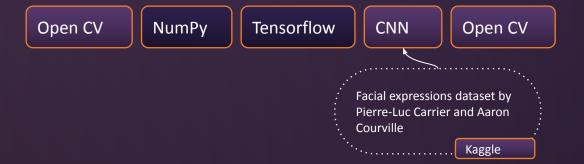


How it works

Video

Facial expressions

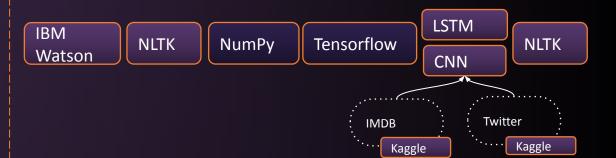
Computer Vision



Speech

- Text sentimental analysis
- Answer duration
- Hesitation
- Speed of speech
- Pauses

NLP

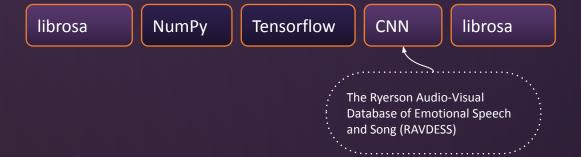


How it works - 2

Audio

Voice sentimental analysis

Audio classification



Site

Template by Nicepage
 Adjusted with HTML CSS
 Web page / App Flask Docker

References

- Speed of speech research of US National Center for Voice and Speech
- Duration of an answer recommendations by interview coach Jennifer Scupi
- Pauses in speech research of of Marseille University
- Hesitation based on pauses data

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