



MURAT CENGIZ

SOFTWARE ENGINEER



github.com/muratcengizz



murat.cngz00@gmail.com



https://muratcengiz.org



LinkedIn



Codewars

SUMMARY

Date of Birth: 10/11/2000

Nationality: Turkish

Driving Licence: B - A

A highly motivated software engineer with a passion for self-improvement and approximately 3 years of experience; Proven track record of working in various corporate, high-tech and startup companies

WORK EXPERIENCE

SOFTWARE ENGINEER

CEREBRUM TECH | REMOTE | JANUARY 2024 - JUNE 2024

Detection of content unsuitable for children in artificial intelligence-supported video and image files.

Used Technologies: AWS Services, Python, Docker, Devops

AI DEVELOPER

BOMENSFOT | REMOTE | NOVEMBER 2023 - MAY 2024

Shoplift detection model for happycenter avm. Deployment ai model to customer's server.

Apron detection model.

Used Technologies: AWS Cloud, Linux Servers, SQL, Javascript, Python (DL, CV, Ultralytics, YOLOV8, ONNX, TensorRT, OpenVino, OpenCV, Django, Flask)

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NEWKY | HYBRID | JUNE 2023 - DECEMBER 2023

Detection, tracking and analysis of the user's biometric data. Detection of eyes, pupil, head movements and facial movements

Obtaining data from documents with ocr.

Used Technologies: PostgreSQL, Azure Cloud, Linux Servers, Nginx, Unicorn, Python (DS, ML, DL, CV, Tensorflow, Ultralytics, Scikit-Learn, Numpy, Pandas, OpenCV, Mediapipe, Seaborn, Matplotlib, Gstreamer)

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TEXINSIGHT | HYBRID | JUNE 2022 - JUNE 2023

Damaged surface analysis.

Friendly or foe ship detection.

Deployment Ai model on remote linux server.

Used Technologies: PostgreSQL, AWS Cloud, Python (DL, ML, CV, Tensorflow, Scikit-Learn, OpenCV, Django, FastAPI)

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BIG COMMUNITY | REMOTE | VOLUNTARILY | JULY 2022 - AUGUST 2022

Developing a website tailored for children aged 7-14, offering a platform for social activities and homework assistance. (Currently not in service)

Used Technologies: Python, Django, Sqlite, PostgreSQL, Nginx, Unicorn, AWS Cloud.

INTERN

VIZYON COLLEGE | FULL TIME | JULY 2022 - AUGUST 2022

Obtaining statistical results from the Vizyon collage database and performing hypothesis tests.

Used Technologies: Python (ML, Django, Scikit-Learn, Numpy, Pandas, Seaborn, Matplotlib)

Liveness Detection: A project that detects classified a person's head, eye and pupil movements. This project usable for the deep fake detection. Also this project usable a lot of senario. In this moment, project is deployed on my remote server. If you want to see it, you can visit my [website](#).

Used Technologies: Oracle Cloud, Python (ML, DL, CV, Tensorflow, Mediapipe, Custom Algorithms, Gstreamer, Django, OpenCV, Numpy, Pandas, Scikit-Learn)

EDUCATION

Health information systems
instutation: Mehmet Akif

Ersoy University

2018-2022

GPA: 3.26

Anatolian High School

Kampus Collage

2014-2018

SKILLS

- Data Scince
- Data Analysis
- Computer Vision
- Machine Learning
- SQL, T-SQL, PL-SQL
- RestAPI
- Devops (Docker, Gunicorn, Nginx, Git, Linux, Cloud)
- Linux Server (Ubuntu, Kali)
- Cloud (AWS, Oracle, Azure)
- Web Scraping (Selenium)
- Python
- Web (Django, Html, CSS)
- Architecture Development

LANGUAGES

•Turkish (Native)

•English (B2)

REFERENCES

ABDÜLKADIR OZBEK

CEO / Vizyon Collage

+90 532 325 97 11

CETIN KOSIFOGLU

Ceo | Newky

+90 532 607 56 35

ALP EREN OZALP

Vice Present of R&D | Cerebrum
Tech

+90 530 499 95 86

Auto Label: The project has been developed to automate and optimized data collection and data labelling processes. Using pre-trained models, this project automatically saves frames x,y,w,h coordinates of detected objects on these frames and necessary data on txt-xml-json formats as per your requirements. You can visit my ebsite for [documentation](#). Also you can visit my github account for [source code](#). Used Technologies: Custom Algorithms, Python (Tensorflow, YOLOV8, Json, Xml)

Safe Kids: This project was written for parents to protect their children from potentially harmful content on the internet. Videos watched through web extensions, desktop programs and applications installed on mobile devices are detected and sent to the main server via API connection. The video content is sent from main server to the **aws rekognition** platform via API and analyzed. As a result, the parent is informed and the content is blocked. Parameters such as adult, obscene, blood, weapons, drugs, accidents can be detected and blocked. This project was written specifically for a company and you can learn the details by contacting me.

Used Technologies: AWS Cloud, AWS Recognition Service, Linux Server, Docker, Nginx, Python (ML, DL, CV, Tensorflow, OpenCV, Numpy, Pandas, Scikit-Learn, Seaborn, Django, RestAPI, Vidgear)

GoodGame Empire Bot: I wrote an image processing based bot for the Goodgame Empire game. The fact that daily routines in this game I play waste me time but are necessary for my game development pushed me to write this bot. This bot detects 42 different classes in the game and applies basic tower shooting steps. Various algorithms come into play in case of problems that may be encountered at any step. If an object that needs to be detected cannot be detected in the frame, it performs a calibration process. The process continues until such an object is detected. Additionally, the Auto Label module I wrote was also integrated into this project. Model performance was improved by 10% with the data collected during the testing phase. While I hit 100 towers in 40 minutes, this bot hits all towers in 25-30 minutes. And I don't have to intervene at all. For detailed information and a video about the bot, you can review [my linkedin post](#).

Used Technologies: Custom Algorithms, Auto Label (my library), Python (Tensorflow, Ultralytics, Opencv, Numpy, Pyautogui, PyQt5)

Practice App: This system presents you with the working file that you learned and uploaded to the system on day 0, at the following intervals. You can visit my [website](#) for use app.

Used Technologies: Custom Algorithms, PostgreSQL, Python (Django)

Text Analysis: This project takes a text input from user and predict that text content is positive or negative. You can visit my [website](#) for try the app. Also you can my [linkedin post](#).

Used Technologies: RestAPI, PosgreSQL, Python (ML, DL, Tensorflow, Scikit-Learn, Numpy, Pandas, Django)

CERTIFICATE

SPEED READING WITH COMPREHENSION

SUPEREAD | JANUARY 2023

[You can click For document of certificate](#)

PYTHON: FROM BEGINNER TO ADVANCED - WITH ETHICAL HACKER EXAMPLES

UDEMY | AUGUST 2021

[You can click For document of certificate](#)

BECOMING AN ETHICAL HACKER COURSE

UDEMY | AUGUST 2021

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ETHICAL HACKER ADVANCED: PENETRATION TESTS & AUTHORITY ESCALATION

UDEMY | APRIL 2021

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PYTHON AND TENSORFLOW FOR DATA SCIENCE

UDEMY | SEPTEMBER 2021

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COMPUTER VISION

UDEMY | JUNE 2023

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