# KEMAL KILIÇASLAN

## AI DEVELOPER


## CONTACT

kemalkilicaslan@outlook.com

kemalkilicaslan.com/

linkedin.com/in/kemalkilicaslan/

github.com/kemalkilicaslan

+90(543) 201 8373


## SKILLS

- Python
- Machine Learning
  - scikit-learn
- Deep Learning
  - TensorFlow
  - PyTorch
- Computer Vision
  - OpenCV
- C++
- MATLAB
- Wolfram Mathematica
- PostgreSQL
- Front-end
  - HTML
  - CSS
    - Bootstrap
  - JavaScript
- Microsoft Office Program's

## PERSONAL INITIATIVES

- Kastamonu Üniversitesi Matematik & Bilim Topluluğu **(Founding President)**
- Türkiye Matematik Kulübü **(Member)**

## EDUCATION

- **KASTAMONU UNIVERSITY FACULTY OF SCIENCE AND LITERATURE MATHEMATICS**
  **2022 Graduate - Bachelor's Degree**

## EXPERIENCE

- **BİLGİ TEKNOLOJİLERİ VE İLETİŞİM KURUMU - AI TRAINER WITH PYTHON** [JULY 2024 - ]
- **CALORIN - COMPUTER VISION DEVELOPER** [AUGUST 24 - SEPTEMBER 24]

## PROJECTS

- **Face Detection and Person Recognition:** It is a face detection and person recognition project on photos, videos and snapshots using Haarcascade classifier algorithm.
- **Road Lane Lines Detection:** It is a project to detect lane lines on roads for autonomous vehicles in which artificial intelligence is actively involved.
- **Garbage Classification with Convolutional Neural Network (CNN):** Classification process using CNN for 6 different types of solid waste.
- **Object Detection and Segmentation with YOLOv8:** Object detection&segmentation project from photographs, videos and snapshots with the 8th version of the YOLO algorithm.
- **Vehicle Recognition with Instance Segmentation Training on a Custom Dataset:** It is a project to train the model with segmentation method on 20 randomly selected cars, pickups and trucks and to measure model success on 5 randomly selected cars, pickups and trucks.
- **Pose Detection with YOLOv8 using Wolfram Mathematica:** It is a pose detection project using the YOLOv8 model on the MS-COCO dataset.
- **Facial Expression Recognition:** Expression recognition project on randomly selected images on 7 different classes trained with efficientnet_b0 model using PyTorch on FER-2013 dataset.
- **Vehicle Speed Estimation:** It is an object tracking and speed calculation application for estimating the speed of vehicles. The YOLO model is used to detect objects within the video and these detections are used for the confidence threshold and for limiting objects within a given region.
- **Traffic Signs Recognition for Turkey**:This project is a project that I developed to be used in real time for the control and automation of autonomous vehicles with the dataset I collected and created for Turkey from Google Street View and the video I processed with the YOLOv8x model trained on 668 images consisting of the 17 most common traffic signs in city centers.
- **Data Visualization of Turkey Population with Plotly**: It is a data visualization project on the map with line, bar, stack bar, pie, donut charts and choropleth method with male, female and total population data from 1927 to 2023 taken from TURKSTAT using Plotly and Folium libraries.

## CERTIFICATES

- Machine Learning Specialization **Stanford University & DeepLearningAI**
- Deep Learning Specialization **DeepLearningAI**
- Mastering Programming with MATLAB **Vanderbilt University**
- Version Control **Meta**
- Convolutional Neural Networks in TensorFlow **DeepLearningAI**
- System Engineering **MathWorks**
- Mathematics for Machine Learning Specialization **DeepLearningAI**
- Self-Driving Cars Specialization **University of Toronto**