BEYTULLAH YAYLA

ARTIFICAL INTELLIGENCE DEVELOPER

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ABOUT

Innovative AI developer with expertise in machine learning, image processing, and data science. Passionate about solving complex problems and leveraging technology for advancements in various applications. Skilled in Python, OpenCV, TensorFlow, and other relevant technologies, with a proven track record in object detection, image segmentation, and classification. Thrives in collaborative environments and stays updated on the latest developments to continuously enhance skills and contribute to project success.

EDUCATION

Sakarya University (2020-2024)

Computer Engineering

2020-2024

3.34

TECHNİCAL SKILLS

- Computer Vision
- Data Science
- Backend Development
- Python
- Angular
- Java
- PostgreSQL
- Docker

LANGUAGES

- English
- Turkish(Native)

WORK EXPERIENCE

ENGINEERING INTERN

Roketsan - Ankara- (2024-Present)

- Developed a Python script to gather information from network devices, such as active switch interfaces and reporting , visualizing that informations to the managers.
- Upgraded Cisco switches.
- Implemented and tested a basic network topology using real switches and PuTTY.
- Given tasks simulated with Cisco Packet Tracer Application.

R&D PROJECT ASSISTANT

Koçtaş - İstanbul - (2023-2024)

- Conducted customer counting and group tracking projects.
- Developed warehouse robot 's vision systems.
- Utilized edge computing with EdgeTPU hardware acceleration.
- Worked on object detection, classification, tracking, and counting.
- Enhanced operational efficiency and improved customer experience in retail environments.

DEEP LEARNING INTERN

Ford Otosan - İstanbul - (2021-2023)

- Participated in a autonomous self driving truck project.
- Focused on detecting drivable areas on highway images through semantic segmentation.
- Developed algorithms for detecting and classifying traffic signs on highways.
- Used Python, PyTorch, and OpenCV to create masks from JSON data to identify free space pixels.
- Developed new labelling techniques for image and point cloud data for perception model development.

PROJECTS

DentAi

- DentAi is a mobile application that provides users with oral health information. The project includes open-mouth detection, oral disease classification (gingivitis, dental caries, hypodontia, etc.), a backend server, and a mobile application interface.
- Python, tensorflow, yolo, fast api, mysql ve react native

Drivable Area Segmentation

Drivable area detection in highway images with semantic segmentation.
- Python, Pytorch, OpenCV, Numpy, Matplotlib

Realtime Customer Counting And Demographic Analysis

- The application analyzes in-store security footage for customer counting, classification, and tracking. It provides store managers with insights into customer traffic and demographics, enhancing operational efficiency.
- Python, Pytorch, Tensorflow, React, Mysql, Docker

Breast Tumor Tracking

- The project's goal is to develop a system that predicts tumor behavior using a binary classification model. It provides real-time predictions via a user-friendly interface and stores results in a robust database for future analysis.
- Python, Mysql, Fastapi, Angular, Docker