

UMUT ÖZTÜRK ARPAY

AI ENGINEER

ABOUT ME

I am a Computer Engineering student at Gazi University, graduating in January 2025, with nearly two years of experience in AI, image processing, and software development. I've contributed to real-world projects, AI-driven tools for educational institutions in Turkey. Currently working as an AI Engineer at İm Park Bilişim, I specialize in technologies like YOLO, OpenCV, OCR, and NLP solutions using FastText and BERT. With a strong work ethic and problem-solving mindset, I'm passionate about delivering innovative solutions and driving impactful projects.

CONTACT AND SOCIALS

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Portfolio: <https://umutarpay.github.io/portfolio>

Github: <https://github.com/umutarpay>

WORK EXPERIENCE

Vakıf Global Summer Intern | 06/2022

- Designed and implemented a task tracking system.
- The admin can assign tasks to personnel, update tasks, or delete them. Personnel can view the tasks assigned to them and see the statistics of their remaining tasks with the help of graphs.
- I developed this project using Flutter, SQLite
- My internship ended after presenting my project.

İm Park Bilişim Summer Intern | 05/2023

- I started my internship with a basic understanding of artificial intelligence and spent it learning image processing and object detection.
- In the final week of my internship, the question cropping project I developed using YOLO, OCR, and OpenCV led to my employment.
- This project enables the detection of questions in test books using YOLO, converts the question images to text using OCR, and organizes the book's content into individual tests, which are then exported as an XML file.

İm Park Bilişim AI Engineer | 06/23 - Current

- After my internship, I was hired and started working part-time during school periods and full-time when I was not attending school.
- During my time at work, I made updates and optimizations to the question cropping application. Besides this project, I worked on numerous side projects (details can be found on my portfolio website) and took over an existing acquisition marking project.
- The purpose of this acquisition marking(NLP) project is to identify which "Milli Eğitim Bakanlığı" learning outcome each question obtained from the question cropping project corresponds to. For this, I trained dozens of FastText models and applied various data augmentation techniques to improve their performance.

ACADEMIC HISTORY

Gazi University

Computer Engineering

GPA: 2.7

Graduation Date: 01/2025

EXPERIENCED WITH

- YOLO
- OpenCV
- OCR
- FastText, Bert, RoBERTa, LLama, GPT

LANGUAGES

Turkish: Native

English: Upper Intermediate

MY INTERSTS

Football

Astronomy

Musical Instrumnts

STRENGTHS

I have experience in designing, implementing, and managing a real-life problem as a project.

I can independently complete moderately sized projects from scratch to hatch.

I am eager to learn.

I have a strong work discipline and am well-suited to teamwork.