Yigit Batuhan Şener

AI R&D Engineer

Turkey

linkedin.com/in/yigitbatuhansener

medium.com/@batuhansenerr

ybatu.sener@gmail.com

+90 531 355 59 96

Summary

AI Engineer with over 3 years of industry experience specialized in AI and data analytics solutions. Passionate about collaborating with cross-functional teams to build scalable, adaptable, and robust AI systems, leveraging expertise in Large Language Models (LLMs), Computer Vision, and Data Science across various disciplines to drive strategic business outcomes.

Professional Experiences

Armolis   August 2023 – May 2024

Artificial Intelligence R&D Engineer

- As part of a TÜBİTAK project, I worked on analyzing machine-generated sound data and predicting disease by using sound analysis techniques (FFT) and experimenting with various machine learning models to develop binary classification models that predict maintenance needs in advance, completing a PoC study.
- As part of a KOSGEB project,to detect defects on laminate flooring, I used YOLOv8 and augmentation techniques, along with synthetic data generation using diffusion models I trained with DreamBooth. This improved the model's performance, solving the segmentation problem, with the model achieving 91% IoU and 88% mAP. I also developed a rule-based algorithm for pixel-level classification of products on the production line.

Veribase   March 2023 - July 2023

Machine Learning Researcher

- Developed an algorithm that count the products on the shelves with 0.87mAP and 0.93IoU values by using the Yolov8 in shelf optimization product and competitor product detection project. Offered this CRM module for 3 pharm companies.
- Conducted a forecasting project based on the sales data of pharmaceutical companies.
- Contributed to market basket analysis for OTC products

Veribase   January 2022 - March 2023

CRM Developer

- Prevented code repetitions by conducting system analyses.
- Designed reports tailored to customers' requests using MSSQL.
- Contributed to the analysis and optimization of slow-performing reports and modules, resulting in improved performance and speed.
- Developed modules tailored to customer needs by understanding their requirements.
- Providing technical guidance and solutions to assist the support team in resolving complex database issues, contributing to the smooth and efficient operation of processes.

Additional Experiences

Medium   April 2023 - Present

Compter Vision / LLMs Technical Writer

Contents:

- AI Powerer financial Analysis: Multi-Agent Systems Transform Data insight
- Talk to your database with OpenAI, Langchain and BigQuery
- Sentiment Analysis for Financial News with Transformers
- Generative AI for Advertising
- Object Distance & Direction Detection for Blind and Low Vision People
- Chef Transformer (T5) to Create Recipe from Image
- Object Tracking and Counting for Emergency Situations

AND MORE

Revolution Drones   July 2023 – Present

Project Member - Computer Vision

- Volunteering as an image processing engineer in the drone project that was accepted to the ITU Çekirdek incubation program.

Education

Pamukkale University   September 2015 - June 2021

B.S. Computer Engineering

Istanbul Technical University   May 2023 – December 2023

Data Science Specialization Certificate Program

- *Coordinator: Prof. Dr. Alp ÜSTÜNDAĞ*

Languages: English(C1), Turkish(Native)

Military services has been completed.