

Seyit Ali Yorğun, AI Engineer

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WORK EXPERIENCE

06/2025 – 07/2025

AI Engineer intern, Mavinci

Ankara, Turkey

- Implemented an automated experiment tracking and model versioning pipeline using ClearML, improving reproducibility, experiment comparison, and training efficiency across multiple computer vision projects.
- Migrated a legacy YOLOv5-based object detection pipeline to YOLOv8 and YOLOv11, conducting comprehensive benchmark evaluations including mAP@0.5, mAP@0.5:0.95, precision, recall, inference latency, FPS, and model size under a unified ClearML-based MLOps workflow.
- Designed and documented end-to-end MLOps workflows covering dataset versioning, experiment orchestration, metric tracking, and result analysis for object detection tasks.
- Developed detailed technical documentation for the setup, configuration, and annotation procedures of a local data labeling tool, standardizing annotation workflows for team-wide usage.
- Performed cross-format performance benchmarking by exporting trained models to PyTorch, ONNX, and NCNN, achieving up to 40% inference speed improvement with NCNN, enabling efficient edge and embedded deployment scenarios.
- Containerized core MLOps tools and training environments using Docker, ensuring scalable, reproducible, and isolated training setups across different systems and experiments.
- Supported model lifecycle management by leveraging ClearML experiment tracking, model artifacts, and benchmark results to enable data-driven architecture and deployment decisions.

01/2025 – 02/2025

AI Engineer intern, Huawei

Ankara, Turkey

- Explored both theoretical and practical aspects of Machine Learning (ML), Deep Learning (DL), and Large Language Models (LLM).
- Studied theoretical concepts such as regression, classification algorithms, neural networks, and natural language processing techniques.
- Executed practical tasks including data preprocessing, model training, and optimization, while developing and enhancing LLM-based applications using PyTorch
- Gained hands-on experience in advanced techniques such as fine-tuning, Retrieval-Augmented Generation (RAG), Mixture of Experts (MOE), and Model Context Protocol (MCP) to improve model adaptability, accuracy, and contextual relevance.

11/2024 – 01/2025

AI Engineer intern, Ucanble Technology

Ankara, Turkey

- Engaged in a Vehicle Detection and Classification Project.
- Engineered a system for detecting vehicle color, brand, and model utilizing PyTorch, YOLOv8, YOLOv9, and YOLOv11 models.
- Employed OpenCV for real-time analysis on video data.
- Contributed actively to model training, data preparation (labeling, augmentation), and optimization processes.

07/2024 – 09/2024

AI Engineer intern, ArVis Technology

Istanbul, Turkey

- Participated as an AI intern for 6 weeks, gaining insights from industry experts on utilizing artificial intelligence across various sectors.
- Completed a data science project focused on energy systems and presented findings using Streamlit.

12/2023 – 12/2024

Founder, buLAR

Ankara, Turkey

- Utilized Unity and C# in the project, with future plans for incorporating image processing and AI technologies.
- buLAR focuses on note-taking with augmented reality, particularly for books and may be used in various locations. Sponsored by Microsoft For Startup Founders Hub.

EDUCATION 10/2022 – Present **OSTİM Technical University** Ankara, Turkey **Software Engineering / Bachelor degree** CGPA-3.21

09/2024 – 02/2025 **Samsung Innovation Campus Program** Ankara, Turkey

10.10.2025-present **TurkStudentco-LLM Jetpack** program

SKILLS**clearml**
ONNX**PyTorch**
NCNN**OpenCV****YOLOv8****YOLOv9****YOLOv11****Unity****C#****Streamlit****Python****MLOps****LLM**

LANGUAGES

Turkish-Native / English- Upper-Intermediate