

MERT OSMA

Computer Engineering Student — Koç University

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SUMMARY

Fourth-year Computer Engineering student (expected graduation January 2027) with hands-on experience across computer vision, machine learning, and full-stack mobile development. Shipped two published Flutter applications, built a cancer-detection ML model reaching a 96.7% F1 score, and contributed to LLM evaluation work as a freelance AI trainer.

SKILLS

Languages & Frameworks: Python, Java, JavaScript, React, Flutter/Dart, HTML/CSS, SQL

ML / Data: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn

Spoken Languages: English (C2), German (A1.2), Spanish (A1)

Core Strengths: Problem solving, analytical thinking, cross-functional teamwork, team leadership, adaptability

EXPERIENCE

Data Labeling & Computer Vision Intern | Kuartis, Ankara

Aug 2026 – Sep 2026 (current)

- Label and validate image/video datasets to support a lane-tracking computer vision pipeline, ensuring annotation accuracy for downstream model training.
- Apply computer vision techniques to detect and track lane boundaries in real-world driving footage.

Mobile Application Developer | Koç University — Clock Drawing Test Project, Istanbul

Mar 2026 – Jul 2026

- Built and shipped a fully functional digital Clock Drawing Test application for cognitive assessment, from wireframes and user-flow diagrams through to production.
- Implemented patient registration, background test timing, and start/stop test controls behind a simple, clinician-friendly interface.
- Designed data export to Excel/CSV with both local device storage and cloud-sync options, supporting reliable clinical data collection.

Mobile Application Developer | Masqot, Istanbul

Jun 2025 – Sep 2025

- Independently built the entire front end of a Flutter-based community app, taking it from design through to a live release on the App Store and Play Store.
- Designed a modern, responsive UI/UX focused on usability and consistency across the full user journey.

ML Intern — Bile Duct Cancer Detection | Karadeniz Technical University (KTÜ), Trabzon

Aug 2025 – Sep 2025

- Developed a machine learning model for early diagnosis of bile duct cancer, achieving a 96.7% F1 score on held-out data.
- Cleaned, preprocessed, and visualized clinical datasets of healthy and diseased samples using Pandas, NumPy, Matplotlib, and Seaborn.
- Trained and evaluated classification models with Scikit-learn, iterating on feature selection and preprocessing to improve performance.

AI Trainer (Freelance) | Outlier, Remote

Dec 2024 – Feb 2025

- Evaluated large language model outputs for accuracy, consistency, and logical coherence, feeding structured feedback into model training.
- Analyzed model responses and datasets using Python and Java to identify systematic error patterns.

Software Development Intern | CatchPad, Istanbul

Aug 2024 – Sep 2024

- Built an Instagram-clone mobile app from scratch in Flutter/Dart, including user profiles, photo uploads, home feed, and core social interactions.
- Strengthened UI/UX design and state-management skills through full ownership of the app's front end.

EDUCATION

B.S. in Computer Engineering | Koç University, Istanbul

2020 – Jan 2027 (expected)

- Completed English preparatory education, 2019–2020 academic year.

PROJECTS

- AI-Based Early Diagnosis Model for Bile Duct Cancer — ML model in Python/Scikit-learn reaching a 96.7% F1 score.
- Masqot Mobile App — Flutter/Dart community app; led front-end development; live on App Store and Play Store.
- Instagram Clone Application — Flutter/Dart app with profiles, photo uploads, and a home feed.
- 2D Tower Defense Game — Java game with three levels and custom visual effects.
- NBA Simulation Game — Java basketball simulator using randomized shot outcomes to model gameplay.

CERTIFICATES

- CS50's Introduction to Artificial Intelligence with Python — HarvardX
- Coderspace Front-End School — Coderspace, 2024
- C Programming Language — BTK Academy, 2024
- Excel: Beginner to Statistics — MEF University, 2023