

Emine Zülal Araç

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EDUCATION

Koç University

Bachelor of Computer Engineering

Sep. 2021 – Dec. 2026

EXPERIENCE

ATEZ Software Technologies

Aug. 2024 – Present

AI & Data Analytics Intern

- Contributed to the end-to-end development of Customs Shield and X-Ray products, including data ingestion, document classification, FastAPI-based backend services, and AI pipeline integration
- Developed and optimized machine learning-based document categorization algorithms to improve data retrieval accuracy and processing efficiency
- Tested FastAPI endpoints using Postman and validated request-response flows for data extraction pipelines
- Containerized FastAPI-based services with Docker to ensure consistent and reproducible deployment environments
- Classified customs documents and extracted data from XML and PDF sources using Google Document AI

Geleceğe İlerleyen Kadınlar – Şişecam & Turkishe

Sep. 2025 – March 2026

Leadership Development Program Participant

- Completed structured training on communication, career planning, and professional skills
- Received mentorship from experienced professionals from this leadership and career development program

Koç University

Sep. 2023 – Jan. 2024

Teaching Assistant for Introduction to Python and Calculus

- Supported students in understanding core Python programming concepts and developing problem-solving skills through hands-on coding assistance.
- Assisted students in grasping fundamental calculus concepts, reinforcing analytical thinking and problem-solving abilities for academic success.

PROJECTS

Customs Shield & X-Ray Systems | *Python, FastAPI, Docker, Postman*

2024 – 2026

- Contributed to the end-to-end development of Customs Shield and X-Ray products, from data ingestion and document classification to backend service integration.
- Built and tested FastAPI endpoints for AI-driven document processing pipelines and validated workflows using Postman.
- Containerized services with Docker to ensure consistent deployment and reproducible development environments.

Roadside Assistance Website | *React, JavaScript, HTML, CSS*

2026

- Developed a vehicle rescue web application using React that allows users to quickly access and call roadside assistance service.
- Designed a simple and intuitive interface to prioritize fast access to contact information in urgent situations.

Clash Royale–Inspired Strategy Game | *Java, JavaFX*

2025

- Developed a strategy-based game inspired by Clash Royale, implementing core gameplay logic including unit deployment and interaction.

Web Scraping Pipeline | *Python, BeautifulSoup, Selenium*

2025

- Built a web scraping pipeline to automatically extract and structure data from dynamic and static web pages.
- Handled pagination, dynamic content loading, and basic data cleaning for downstream analysis.

SKILLS

Languages: Python, Java, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R

Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, Eclipse

Frameworks: React, Node.js, FastAPI

Leadership & Activities: Exchange Student Mentor, Volunteer, KU Gönüllüler; Vice President, Science Club; Accountant, KU IEEE; Team Member, Koç University Basketball Team