

# Emine Zülal Araç

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## EDUCATION

### Koç University

2021 – 2026

*Bachelor of Computer Engineering*

## 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 & Turkiye

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 Gönüllüleri; Vice President, Science Club; Accountant, KU IEEE; Team Member, Koç University Basketball Team