

Zeynep Zor

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Passionate about AI, mobile development, and data science. Curious and motivated Computer Science student with solid foundations in software development and analytical thinking. Seeking to leverage programming skills and collaborative mindset in innovative projects.

EDUCATION

Sabanci University - Istanbul, Turkey	2021 – Jan 2026
<i>Computer Science and Engineering</i>	
Sainte Pulchérie French High School - Istanbul, Turkey	2016 – 2021

WORK EXPERIENCES

Gantek Teknoloji – İstanbul, Turkey	June 2025 – August 2025
DevOps Intern	
<ul style="list-style-type: none">Designed and deployed an AI-driven secure banking assistant project, collaborating with the AI engineering team.Implemented Docker-based containerization for reproducible builds, managed networking and environment setup.Configured CI/CD pipelines and automated deployment processes to streamline testing and delivery.Assisted in maintaining system security and reliability by integrating logging, monitoring, and threat simulation modules.Contributed to the design of a Python-based GUI application (CustomTkinter) with SQLite-backed banking data models (users, accounts, loans, transactions, cards)Documented infrastructure setup and deployment steps for future maintainability	
Matnon (Remote) - Istanbul, Turkey	June 2024 – Jan 2025
AI Intern	
<ul style="list-style-type: none">Created NLP models for sentiment analysis on complex text data.Developed Python scripts for efficient data preprocessing.Implemented ML models for predictive analytics and decision support.Participated in AI chatbot development to enhance user experience.Contributed to team discussions, providing creative input for ongoing projects.Gained hands-on communication and coordination experience during weekly updates.	
FRC Robotics – Istanbul, Turkey	Sep 2019 – May 2020
Volunteer	
<ul style="list-style-type: none">Supported events and programs promoting robotics education.Used interpersonal communication to engage with the public and share organizational goals.Represented the organization positively in community outreach.	

PROJECTS

SABANCI UNIVERSITY – Istanbul, Turkey

Sep 2024 – Jan 2025

Senior Capstone Project – AI-Powered Food Expiry Detection & Smart Consumption Assistant (YOLOv5 + Raspberry Pi)

- Developed a real-time computer vision system using **YOLOv5** on **Raspberry Pi 5** to detect packaged food expiration dates from camera feed.
- Implemented **OCR + bounding box text extraction** to parse expiry labels and store data in a local food inventory database.
- Created an automated **expiry-alert notification module** with urgency tiers (urgent, soon, safe).
- Integrated a **recipe recommendation engine** based on ingredients nearing expiration to minimize food waste and optimize consumption.
- Performed **on-device model optimization** with TensorRT acceleration and lightweight YOLO architecture pruning.
- Designed a minimal UI showing **stock list, freshness status, expiry countdown, and waste-reduction analytics**.
- Achieved **>90% expiry detection accuracy** in varied lighting and multi-font packaging conditions

Gantek Teknoloji – Istanbul, Turkey

July 2025 - August 2025

AI-Driven Secure Banking Assistant – DevOps Intern Project

- Designed and implemented a modular AI-powered banking assistant integrating Google Gemini API and LangChain for contextual dialogue
- Built a Python GUI (CustomTkinter) with SQLite-backed banking modules (users, accounts, loans, transactions, cards)
- Developed security simulation tools (weak credential detection, prompt injection, adversarial testing) for resilience analysis.
- Containerized and deployed the project with Docker, ensuring reproducible builds and scalable environments

MATNON – Istanbul, Turkey

June 2024

Sentiment Analysis System – AI Intern Project

- Developed a sentiment analysis pipeline using Python, enabling classification of user text data for product review evaluation.
- Applied NLP techniques to clean and vectorize raw text data for model input.

MATNON – Istanbul, Turkey

July 2024 – August 2024

AI Chatbot Assistant – AI Intern Project

- Contributed to the design of an AI-driven chatbot capable of understanding and responding to user queries.
- Integrated dialog flow and response generation features into the assistant to enhance user engagement.

SABANCI UNIVERSITY - Istanbul, Turkey

Sep 2023 - Feb 2024

CS210- Data Science Project

- Conducted a data-driven analysis of personal physical activity levels using step count records collected via a mobile device.
- Explored behavioral patterns by comparing activity on days with online versus in-person classes to assess how academic format impacts movement habits.
- Preprocessed and visualized time-series health data using Python libraries such as pandas and matplotlib to uncover trends and anomalies.
- Developed an interactive dashboard to effectively communicate findings, enhancing data storytelling and presentation skills.

SKILLS

Language: Turkish (*Native*), English (*Advanced*), French (*Advanced*)
Programming: Python, C++, Java, SQL
Tools & Concepts : NLP, Sentiment Analysis, TensorFlow, Algorithm Development, Data Visualization, Langchain
Other: Microsoft Excel (*Intermediate*)

CERTIFICATIONS

NVIDIA <i>Building LLM Applications With Prompt Engineering</i>	July 2025
BTK Akademi <i>Versiyon Kontrolleri: Git ve GitHub</i>	June 2025
NVIDIA <i>Building Conversational AI Applications Certificate</i>	Dec 2023
ROTARY <i>Rotary Youth Leadership Awards</i>	Feb 2022

EXTRACURRICULAR ACTIVITIES

SABANCI UNIVERSITY – Istanbul, Turkey <i>AI Sabancı – Active Member</i>	2023 - 2024
<ul style="list-style-type: none">Participated in artificial intelligence and machine learning workshops, gaining hands-on experience in AI development.Completed NVIDIA’s “Building Conversational AI Applications” program, exploring chatbot design and implementation.	
SABANCI UNIVERSITY – Istanbul, Turkey <i>Science Society – Organization Board Member</i>	2024 <i>Computer</i>
<ul style="list-style-type: none">Briefly served as one of the co-leaders in the organization department of the Computer Science Society. Contributed to the planning and coordination of student-led tech events and community engagement efforts.	
SAINTE PULCHERİE – Istanbul, Turkey <i>SPARC Robotic Club – Member</i>	2019 – 2020
<ul style="list-style-type: none">Participated in team-based robotics challenges and training sessions.Supported technical setup and promoted STEM education within the school community.	