

Contact Details

Orta mahallesi, Universite caddesi, No:27, 34956, Istanbul, Turkey

M: +905330203345

E: efeballar@gmail.com

LinkedIn: [linkedin.com/in/efeballar](https://www.linkedin.com/in/efeballar)

Personal: efeballar.com

GitHub: github.com/EfeBallar

EDUCATION

2021 - Present

Sabanci University, Turkey

BSc in Computer Science & Engineering, Minor in Business Analytics (3rd Year Student)

- Current GPA is 3.83/4.00
- Dean's List, Fall 2021-Present
- Prominent courses: Data Structures & Algorithms, Object Oriented Programming, Discrete Mathematics, Database Systems, Computer Networks, Mobile Programming
- Four-year half-tuition scholarship awarded by Sabanci University in Turkish National University Entrance Exam
- Sakip Sabanci Encouragement Award, 2022 & 2023: One-year full-tuition scholarship awarded for academic excellence in Sabanci University

SKILLS

Computer Science

C++, C#, Python, R, Java, JavaScript, HTML, CSS, SQL

REST API, MongoDB, Spring Framework, Docker, AWS (Cloud Practitioner), Github

Languages

Turkish (Native), English (Advanced), German (Beginner)

Other

Fully competent in Microsoft Office and Google Drive applications

PROJECTS

Jan 2024

Personal Portfolio Website

- Using HTML, CSS and JavaScript to create a personal portfolio website for demonstrating Front-end web development skills
- Created sections for showing personal information/skills, projects and contact details
- Website can be reached at efeballar.com

Oct 2023 – Jan 2024

Sabanci University Mobile Application Development Course (CS310)

Study Buddy App - Connecting Students for Collaborative Learning

- Aiming to facilitate the connection between students who are studying similar courses, enabling them to collaborate by working on tasks for their classes
- Creating a user-friendly platform with six endpoints and with key features such as: course selection / filtering, session creating, and making comments on session posts
- Back-end application coded in Java Spring Framework using MongoDB as database, experience with Docker containerization method, and a front-end application coded in Android.

Oct 2023 – Jan 2024

Sabanci University Program for Undergraduate Research Project (PURE)

Creating a Database for Turkish Election Trends

- Aiming to scrape the data that does not come in bulk to be processed, and convert it to a format that would be suitable for further trend analysis
- Web scraping using Python libraries and utilizing Selenium to gather information from the official website of the Turkish Supreme Electoral Board
- Preliminary trend analysis and data visualisations of the past elections using Python, and Excel

Oct 2023 – Jan 2024 **Sabanci University Computer Networks Course (CS408)**

DiSUcord - Message Networking via Channels

- Creating a student message networking application via different course channels using TCP/IP sockets and using .NET technology
- Designing both client and server GUIs as Windows Forms app in C#

Oct 2023 – Jan 2024 **Sabanci University Database Systems Course (CS306)**

Hospital Database Management System

- Aiming to create an efficient hospital database for daily usage by using MySQL for storing, managing, and retrieving a broad variety of structured data

Feb 2023 – June 2023 **Sabanci University Introduction to Data Science Course (CS210)**

Analyzing the Distribution of MPs in the Grand Assembly of Turkey's History

- Web scraping using Python's BeautifulSoup library and utilizing Selenium to imitate user behaviour and collect data from the official website of the Grand Assembly of Turkey
- Using a machine learning model to make predictions about future legislative terms
- Generating analytical images with the use of pandas and matplotlib libraries

WORK EXPERIENCE

Feb 2024 – Present **Sabanci University Computational Approaches to Problem Solving Course (IF100) Learning Assistant**

- Being interaction with IF100 students by holding office hours regarding programming assignments in Python, and being part of a recitation team that will teach the students the computational problem solving skills

Oct 2023 – Jan 2024 **Sabanci University Programming Fundamentals Course (CS201) Learning Assistant**

- Being interaction with students by holding office hours and answering their questions regarding C++ assignments, and being a part of a team that will help them understand the concepts of programming fundamentals better in the recitation hours

VOLUNTEERING JOBS

Sep 2021 – Present **Sabanci University Chess Club - Vice President**

- Popularizing chess in the university by helping club host events and tournaments and representing the university in intercollegiate chess tournaments

Sep 2021 – Jan 2022 **Sabanci University Civic Involvement Projects Club - Member**

- Raising awareness about volunteering activities while participating in civic involvement projects such as shore cleaning and animal shelter visits

CERTIFICATES

AWS Cloud Practitioner Certificate (CLF-C02), 2024

Sabanci University Program for Undergraduate Research Certificate, 2024

FreeCodeCamp JavaScript Algorithms and Data Structures Certificate, 2023

Global AI Hub Hands-on Data Visualization with Python, 2022

REFERENCES

Gülşen Demiröz	Data Structures Professor	Sabancı University	gulsen.demiroz@sabanciuniv.edu
Fatma Tevhide Altekin	Business Analytics Professor	Sabancı University	altekin@sabanciuniv.edu