

## EDUCATION

- O Sabancı University | Istanbul, Turkey 2020-2025
  - Expected Graduation Date: June 2025
  - Major: Computer Science and Engineering.
  - 4 years of %50 Scholarship Tuition Fee in Bachelors.
  - Dean's List Honor in First Semester of Freshman and First Semester of Sophomore Year.
- O Ordu Social Sciences High School | Ordu, Turkey 2015-2020

## PROJECTS

- O **CS 210 Course Analyzing Turkey Data Science Project** 2023
  - Led the team of a data science project.
  - Utilized Python and its libraries such as pandas, NumPy, matplotlib, Plotly, Seaborn and applying the code on Jupyter Notebook.
  - Devised a web page with Python Flask framework connected to an SQL database using Apache application. In web side, HTML, HTML Tables, CSS, Spline 3D Designs are used.
  - Collected 40 datasets from TUIK official web page, analyzing them and turn them into understandable Pandas data frames.
  - Investigated the Turkey's everyday life conditions through the subjects of migration, economy, population, demography, justice, and elections.
  - Stored more than 200+ data frames in SQL database and show them on the web page.
  - Check the website: <http://kutluhan52.pythonanywhere.com/>
- O **CS 306 Database Management System Project** 2023
  - Programmed a NoSQL Backend Project.
  - Designed a bank/finance database management and data manipulation system.
  - Studied and tested the software performance through SQL language.
- O **Coursera Rain Prediction Machine Learning Project** 2024
  - Reorganized the rainfall dataset from the Australian Government's Bureau of Meteorology and applying different classification and prediction algorithms to the data such as Linear Regression, KNN, Decision Trees, Logistic Regression and SVM.
  - Evaluated every model's performance based on Accuracy Score, Jaccard Index, F1-Score and so on.
- O **UNION Entrepreneurship Project** 2022-2023
  - Constructed a social media platform mobile app through Flutter Mobile App Development, Java as backend, and MongoDB as database dependencies.
  - Led the team in the entrepreneurship project and also in marketing, and investment operations.
- O **PROJ 201 Project** 2022 - 2023
  - Handled, displayed, and modified James Webb Space Telescope FITS files with a variety of Python libraries such as Astropy, NumPy, Matplotlib, Scipy to obtain hardness ratio of James Webb Space Telescope images.
  - Manipulated and deep understanding of image processing is accomplished through FITS files and JWST Images.
  - Check the project:  
[https://docs.google.com/document/d/1kKwXPMoKBY4GNCC907QvBoCkaOg5Kw9sB4G\\_MZ0oHgU/edit?usp=sharing](https://docs.google.com/document/d/1kKwXPMoKBY4GNCC907QvBoCkaOg5Kw9sB4G_MZ0oHgU/edit?usp=sharing)
- O **SU Rover** 2023
  - Established an interactive web page through Python Flask and use of Python in computer networks.
  - Built web page by mainly using Bootstrap 5 that can display image frames and variety of sensor data coming from a network server.
- O **CS 303 Logic & Digital System Design Term Project** 2023
  - Created a digital air hockey game using Verilog hardware development coding language.
  - Manipulated hardware components through Verilog.
  - Deployed the final product onto an FPGA Xilinx board.
- O **CS 310 Expense Tracker Mobile App Development** 2023
  - Engineered the backend of expense tracker mobile app that is designed in the team.
  - Used Java language in detail, Java MongoDB and Web-Rest dependencies, Spring Boot Backend Framework, and its interfaces.
  - Fabricated Frontend UI using Android Studio - Java.

- O **Sabancı Foundation Group AI Based Future Scenario Generation Project** 2024
  - Produced a software tool using Python to parse the AI PDF file outputs and feeding the ChatGPT 4.0 with the parsed text.
- O **Game Development** 2022
  - Implemented a zombie escape game using C#, Unity Interface by integrating 2D UI Images and Sprite Objects.
  - Developed the game logic & game algorithm development.
- O **IoT Irrigation System** 2023
  - Crafted an IoT system that uses hardware dependencies such as NodeMCU, and some sensor data for monitoring the humidity of soil, and the condition of plant.
- O **Sabancı University PURE Project Assistant** 2022 - 2023
  - Coded an addressable AdaFruit LED system controlled by a Lilypad Arduino Board and HC-06 Bluetooth module for detecting the reflex difference between physical and virtual stimulus using Arduino.

## EXPERIENCE

- O **kAi Nvidia Student Club Head of Sponsorship Department** 2023
  - Took role in business development, communicating with companies, relationship management, event coordination, promotion, and branding, managing the sponsorship department team and fundraising.
- O **kAi Nvidia Student Club Newsletter Author** 2024
  - Consistently spent 5-6 hours at least per week on creating content for AI club.
  - Created content about the AI/ML industry and presenting the brand-new improvements of the AI/ML industry to the members of the kAi.
- O **Sabancı University RetroSU History Club** 2021 - 2022
  - Led the RetroSU History Club as the Vice President and Organization President.
  - Arranged meetings, organizing events, and contacting with the academicians and competent people.
- O **CS 201 Learning Assistant** 2023
  - Assisted enrolled students to CS 201 in their homeworks which is in language of C++.
  - Took part as an assistant tutor of Sabancı CS 201 Introduction to Computing course.

## CERTIFICATES

- O **NVIDIA Deep Learning Institute Certification** - NVIDIA Fundamentals of Deep Learning
- O **NVIDIA Deep Learning Institute Certification** - NVIDIA Building Conversational AI Applications
- O **NVIDIA Deep Learning Institute Certification** - NVIDIA Fundamentals Of Accelerating CUDA C,C++ Workshop
- O **IBM** - Databases and SQL for Data Science With Python
- O **IBM** - Python for Data Science, AI & Development
- O **IBM** - Machine Learning With Python
- O **Udemy** - Advanced Level 40+ Hours Python Programming
- O **Udemy** - MongoDB Database Development Course In Python
- O **Udemy** - Flutter & Dart – The Complete Guide For Flutter Mobile App Development
- O **KOSGEB**- Entrepreneurship Training Certificate of Participation
- O Check certificates in: <https://docs.google.com/document/d/1foe4JFiIwKKmb3cnbtsKE6EW3d1t09l95EF6ykc91X4/edit?usp=sharing>

## SKILLS

- O Language Skills: English (C1), Turkish (Native), Spanish (Beginner).
- O Technical Skills: C++ (Advanced), Python, HTML, CSS, Flutter, Python Flask, SQL, MongoDB, Microsoft Word, Excel, PowerPoint.
- O Personal Skills: Leadership, teamwork, organization skills, project management, people management, entrepreneurship.

## INTERESTS

- O Adobe Environment, 3D Design, Basketball, Coding, Analysis, Fitness, Football, Finance, Technology Industry, Mobile App Development, Business, Entrepreneurship.