Deniz Bayrak

Electric & Electronic Engineer

Contact

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İstanbul, Beşiktaş

About Me

I am a passionate Electrical and Electronics Engineering student with a strong foundation in programming, AI development, and hardware design. With hands-on experience in innovative projects and proficiency in multiple languages and technologies, I thrive in solving complex challenges and contributing to technological advancements.

Skills

- C1 English
- B1 Deutch
- A2 Spanish
- Python
- C and C++
- HTML
- SQL
- Swift
- Digital Design
- Programming Arduino
- Programming Rasberry Pi
- AI Development using Python 3

Education

Bahçeşehir University
Turkey, Istanbul

2021-...

Electric & Electronic Engineering
3rd Year Student

Harvard University
Cambridge, Massachusetts

Computer Science [CS50] Introduction to programming with Python CS50P
Computer Science [CS50] Introduction to programming CS50x
Computer Science [CS50] Introduction to Artificial Intelligence with Python CS50AI (Ongoing)

Mentora Language Academy
Canada,Ontario, Toronto

01.2020-01.2021

In recognition of completing 960 hours of study at Mentora Language Academy, in the highest level English class

Goethe-Institut
Turkey, Istanbul

Completed B1.1 and B1.2 levels of German at the Goethe Institut. Completed A2 level in GO Academy in Germany Düsseldorf.

Projects

Solar Powered Battery Charge Controller
2024

Designed a charge controller for a 9V battery using a 25V solar panel, with an LM317 regulator for voltage adjustment and a safety cutoff to prevent overcharging.

Digital Pulse Counter Using Micro-Controller
2024

Developed a microcontroller-based pulse counter using a PIC18F452 to display real-time pulse counts on an LCD.

GLaDOS
2023

Chat-Bot built in Google Colab using llama 2 LM model.

Personal Finance Manager Web Application
2024

Developed a dynamic web application as part of the CS50x curriculum using Flask, Python, SQL, and JavaScript. The application features secure user authentication, stock management for quoting, buying, and selling, a real-time portfolio overview, and a detailed transaction history for user reference.

Buzz Wire Game with Arduino
2022

Buzz wire game build with arduino. Using LCD and a buzzer.

Pandora's Box
2024

Created a web application using Flask, HTML, CSS, and JavaScript, featuring a crosshair code manager, customizable password generator, and a Snake game with a global scoreboard.

Menu Creator
2024

User friendly python Program where Restourant can creater their menu the way they want.