



Sıla Çakmak

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ABOUT ME

Hello, I'm Sila Çakmak.

I'm interested in software development, particularly database management and backend development. Currently, I'm improving my skills on web-based projects while gaining practical experience with PHP, MySQL, JavaScript, and modern frameworks.

During my internship, I took part in dynamic projects such as a career portal, where I implemented features like database integrations, user registration/login systems, profile management, and job posting modules. By working on both the backend and frontend, I gained a holistic perspective on software development processes.

Furthermore, I am familiar with the Scrum (Agile) working model and can adapt to team collaboration, sprint planning, and task tracking processes.

My goal is to specialize in database-focused backend development and play a key role in the creation of robust systems in the future.

EDUCATION AND TRAINING

04/09/2021 – CURRENT Kütahya, Türkiye

COMPUTER ENGINEERING Kütahya Dumlupınar University

WORK EXPERIENCE

LTC İNOVASYON A.Ş. – İSTANBUL, TÜRKİYE

FULL STACK DEVELOPER INTERN – 01/07/2025 – 26/08/2025

I completed my software development internship at Teknopark İstanbul, known as a major hub for the defense industry.

During this time, I worked at LTC İnovasyon A.Ş., where I carried out frontend interface development for their corporate websites, including responsive design, navbars, sliders, user-friendly forms, and profile pages.

I performed backend integration by working on user registration/login systems, password reset functionality, email integration, and the admin panel.

I focused on SEO optimization (keyword analysis, domain & hosting selection, sitemap integration, backlink strategies, and performance tests).

By experiencing the design, development, and optimization processes of web projects end-to-end, I gained practical experience in full-stack software development.

KÜTAHYA DUMLUPINAR UNIVERSITY – KÜTAHYA, TÜRKİYE

INTERN(STUDENT) – 10/2024 – 30/05/2025

I provided support to non-software personnel at the Dean's Office of Student Affairs within the Engineering Faculty of Kütahya Dumlupınar University.

LANGUAGE SKILLS

Mother tongue(s): **TÜRKÇE**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH, YDYS: 81,975(IYI)	B2	B2	B1	B1	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

TECHNICAL SKILLS

Dijital Beceriler: MSSQL(TSQL), C#, ORACLE SQL Database, MySql, JAVA, C++, C, Python, Firebase, HTML, CSS, MS OFFICE, Github, Trello IDE: Netbeans-Visual Studio 2022, Code Editor: Visual Studio Code



I use NetBeans as my development environment for my Java projects.
I prefer Visual Studio 2022 because it's both user-friendly for interface design and powerful for database operations.
I use Visual Studio Code for projects in various languages like C, C++, etc., as it's convenient and allows me to code in many different languages by installing extensions. I have a good command of all these tools.
I use GitHub to store my projects.
I use Trello on my phone, mainly for important notes and future planning.

PROJECTS

10/07/2025 – 23/07/2025

BOZOQ Company Software Development Project

I developed the corporate website for BOZOQ Company. I took an active role in the project's end-to-end processes: I created a modern and user-friendly interface design, and performed both frontend and backend development. I handled the MySQL database setup and integration for dynamic data management, uploaded the site to the server, and launched it. Finally, I made the website SEO-compliant and optimized it with English content.
This project allowed me to enhance both my technical and design skills as a Full Stack Developer.

Link <https://bozoq.com.tr/>

01/04/2025 – 28/05/2025

Project for Sending Temperature Data to the Blockchain

Solidity, Web3.js, Node.js, Ethereum Sepolia Testnet

I developed a decentralized IoT application that sends, stores, and reads simulated temperature sensor data on the blockchain via a Solidity smart contract using Web3.js.
The project included integration with Alchemy RPC and MetaMask. The temperature data was generated and transferred to the blockchain every 15 seconds.

Link <https://github.com/Silacakmakk/temperature-blockchain-sensor>

25/03/2025 – 08/06/2025

Bank Database Management Project

Oracle SQL, PL/SQL, SQL Developer

I designed a comprehensive database system that models the core functionalities of a real-world banking system. In this project, financial processes such as customer, account, loan, and card transactions were managed using stored procedures, functions, triggers, views, and indexes. I implemented advanced database mechanisms, including data consistency checks, transaction logging, and automated process controls.

Link <https://github.com/Silacakmakk/banka-veritabani-projesi>

09/2024 – 12/2024

Organization Management System

The aim of this project is to digitize the operations of small and medium-sized event/organization companies. C# was used as the programming language, and MSSQL was used for the database.

Link <https://github.com/Silacakmakk/ORGANIZASYONYONETIMSISTEMI>

20/10/2024 – 30/11/2024

Digit Recognizer

The aim of this project is to classify handwritten digits. For the classification task, I utilized the Multi-Layer Perceptron (MLP), which is one of the deep learning methods. The MNIST handwritten digits dataset was used in the project.
I used the Python programming language for the model's training and evaluation, and Jupyter Notebook was chosen as the development environment.

Link https://github.com/Silacakmakk/Digit_Recognizer

25/05/2024 – 01/06/2024

Data Structures

This is a project I developed as part of the Data Structures course for the 2024-2025 Spring Semester to reinforce the fundamental data structures I learned, including tree, list, stack, and queue.
The project was developed using the C++ programming language and focuses on the effective utilization and management of these data structures.

Link <https://github.com/Silacakmakk/VeriYapilari>



03/12/2024 – 10/12/2024

Personnel Registration Platform

This is a general project created using the C programming language as part of my mandatory C course during the Fall semester of my second year.

The purpose of my project is to perform personnel listing, addition, and deletion operations within an opened text file, effectively acting as a simple Personnel Record Platform.

Link <https://github.com/Silacakmakk/PersonelKayit>

10/2023 – 01/2024

Burglar Alarm

The aim of this project is to provide instant notification to our database, Firebase Realtime Database, stating "Movement detected" or "No movement detected" when someone enters a monitored area (such as a home, office, or restricted space). Simultaneously, the buzzer circuit component will activate, and the alarm will be triggered.

For the project's operation, I connected my PIR sensor and necessary circuit components to a NodeMCU board. The data is sent instantaneously by publishing it to the broker. I used two different buttons in my project: pressing Button 1 activates the circuit, and the circuit remains active until Button 2 is pressed.

Link https://github.com/Silacakmakk/NodeMcu_Hirsiz_Alarmi

VOLUNTEERING

15/09/2024 – CURRENT Türkiye

HummingBird Volunteer

HummingBird Volunteers is a community made up of young people from various regions across Turkey, and it involves volunteer work in a wide range of areas, not just a single field. This includes involvement in Cultural and Social sectors, support for Natural disaster relief efforts, and more.

HOBBIES AND INTERESTS

Going for a walk

Reading magazines

Going to the cinema

Reading books
