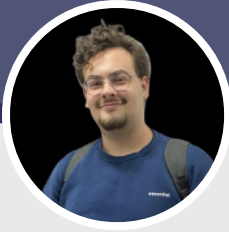


MERT SAMET ÇELİKER



Personal

- Address**
337 Street No:58, Floor:2, Apartment:6,
Şirinyer/Buca/Izmir
35370 BUCA
- Phone number**
05010910009
- Email**
celiker_samet@hotmail.com
- Date of birth**
28-11-2002
- Place of birth**
Konak
- Gender**
Male
- Nationality**
Turkish
- Marital status**
Single
- Driving licence**
B
- LinkedIn**
linkedin.com/in/mert-samet-çeliker-
18a906294

Languages

English ●●●●●

Interests

- Artificial Intelligence Research
- Software/Programming
- Scuba Diving

As a student of Information Systems and Technologies, I have developed comprehensive projects in the fields of artificial intelligence, machine learning, image processing, and web development. I have strong experience in technologies such as Python, SQL, TensorFlow, Keras, PyTorch, OpenCV, ESP32, and STM32. With my analytical thinking, problem-solving, and innovative approach skills, I aim to create value in technology-focused projects. Academically, my paper titled 'Optimising Oral Cancer Detection: Enhancing ResNet50 With CLAHE for Improved Classification Accuracy' was accepted at the ICIAIME conference, where I successfully improved classification accuracy using advanced image processing and deep learning techniques. Additionally, I continuously expand my practical experience by developing open-source projects and web-based applications.

Education and Qualifications

Information Systems and Technologies
Mehmet Akif Ersoy University, Burdur/Gölhisar

Sept 2021 - Jun 2026

As a student of Information Systems and Technologies, I have developed software, artificial intelligence, machine learning, web technologies, and ESP32 and STM32-based embedded system projects. With my analytical thinking and problem-solving skills, I aim to produce innovative solutions by integrating technology into business processes.

Skills

Python	●●●●●
C#	●●●●●
SQL	●●●●●
HTML	●●●●●
CSS	●●●●●
JavaScript	●●●●●
PHP	●●●●●
WordPress	●●●●●
TensorFlow	●●●●●
Keras	●●●●●
PyTorch	●●●●●
Scikit-learn	●●●●●
OpenCV	●●●●●
ESP32	●●●●●
STM32	●●●●●
Quantum Programming	●●●●●
MSSQL	●●●●●

Achievements

Ant İzmir Dyslexia Website – I developed a website for a special education institution using HTML, CSS, JavaScript, PHP, and Bootstrap, and provided user-friendly content management with a detailed admin panel.

Breast Cancer Prediction using XGBoost – In this project, developed in collaboration with students from Mehmet Akif Ersoy University, we created a machine learning model for breast cancer diagnosis using the XGBoost algorithm. It was written in Python and used the 'breast_cancer.csv' dataset.

SmartFlash – AI-Supported Flashcards Application – An educational flashcards application I developed using Python and Streamlit that enables users to quickly learn text-based content. The project aims to provide users with an efficient learning experience by integrating the Gemini AI model for content analysis and summarisation. Additionally, during the application's development process, I strengthened my software development practice by setting up automated testing and deployment processes using GitHub Actions.

Quantum Delivery Scheduling Optimization – This is a project where I modelled delivery planning as a QUBO (Quadratic Unconstrained Binary Optimization) problem and solved it using quantum and classical algorithms. In the project, delivery routes were optimised and total delivery time was minimised using algorithms such as Quantum Annealing, QAOA, Simulated Annealing, and CP-SAT. It was developed in Python and the source code is shared on GitHub.

Oral Cancer Detection – ResNet50 + CLAHE – I developed the source code for my academic work (accepted by ICIAIME) using Python, TensorFlow, and OpenCV; it improved cancer detection accuracy through image processing and deep learning.

Publications

N. Şengöz, G. Karaman, ve M. S. Çeliker, “OPTIMIZING ORAL CANCER DETECTION: ENHANCING RESNET50 WITH CLAHE FOR IMPROVED CLASSIFICATION ACCURACY”, MJST, c. 11, sy. 1, ss. 1–10, 2025, doi: 10.22531/muglajsci.1565902.

Contact Information

- **LinkedIn** : [linkedin.com/in/mert-samet-çeliker-18a906294](https://www.linkedin.com/in/mert-samet-çeliker-18a906294)
- **Github** : <https://github.com/MertSametCeliker>
- **Orchid** : <https://orcid.org/0009-0005-3327-5064>
- **Dergipark** : <https://dergipark.org.tr/en/pub/@mert-samet-celiker>