

# ZEYNEP DİLARA KARACA

e-mail: [dilarakaracad@gmail.com](mailto:dilarakaracad@gmail.com) | tel: 0552 371 4649 | İstanbul/Konya  
GitHub: <https://github.com/dilara-karaca> | LinkedIn: [www.linkedin.com/in/dilarakaraca34](http://www.linkedin.com/in/dilarakaraca34)

---

## Summary

Computer Engineering student with hands-on experience in developing end-to-end software systems, including mobile applications, IoT integrations, and computer vision solutions. Contributed to and coordinated team efforts in national-level projects such as TÜBİTAK, TEKNOFEST, and TÜSEB. Experienced in Flutter, Firebase, and real-time data processing on embedded systems. Passionate about building scalable and impactful AI-driven applications.

## Education

2022-2027

**Istanbul Health and Technologies  
University**  
İstanbul/Turkey

Computer Engineering (English)  
GPA: 3.18/4

## Work Experience

2025 – Present

**Technology Transfer Office, Istanbul Health and Technology University**

*Long-term Intern*

- Supported university–industry collaboration projects
- Assisted in project funding applications and reporting

## Research & Projects

2024 – Present

**TÜBİTAK 2209-A Project: Smart Mobile Application for Chronic Patients**

*Project Developer*

- Designed and developed the frontend and backend of a cross-platform Flutter application.
- Integrated Firebase services and implemented Bluetooth communication with an ESP32/Arduino-based system for real-time data collection from medical sensors (pulse oximeter, skin temperature, GSR).

2026 – Present

**TEKNOFEST / Amphibi Drone Project**

*Image Processing / Computer Vision Developer*

- Development of computer vision algorithms to detect human presence in images captured from aerial and underwater environments.
- Development of a real-time human detection system on NVIDIA Jetson Nano for search and rescue support.

## Additional Information

Technical Skills

- Programming: Flutter, Python, Java, C, C++, HTML, CSS
- Databases: MySQL, Firebase (Realtime Database, Cloud Storage)
- Tools: Visual Studio Code, Android Studio, Arduino IDE, Git

Languages

- Turkish (Native)
- English (B2 - Upper-Intermediate)

Certificates

- International Conference on Science, Engineering & Technology (ICSET-25) – IAAR-10-25-0027088
- English Proficiency (CEFR B2 – Upper Intermediate), Toptalent Business School, 2026
- Git and GitHub – BTK Academy
- Introduction to Cybersecurity – BTK Academy

Interests

Computer vision, embedded AI systems, real-time data processing, mobile and cross-platform application development