

# Semih Özkara

## BSc in Computer Engineering

📍 (TR) 34844 Maltepe/Istanbul

📍 (DE) Ratherkreuzweg 61 40472 Düsseldorf

☎ +90 540 183 5196(TR) (Main) | ☎ +46 76 242 89 65(SE) | ✉ semih.ozkara60@gmail.com

🔗 LinkedIn: [www.linkedin.com/in/semih-özkara-a424b3281] | GitHub: Seemihh

### ABOUT ME

As a dedicated and motivated Computer Engineering student, I am passionate about innovation and problem-solving in the field of technology. My academic background at Işık University, coupled with an Erasmus exchange at Mälardalen University, has equipped me with strong programming, software development, and systems engineering skills. I am eager to apply my knowledge and contribute to impactful projects, with a focus on efficiency and innovative solutions. I am a dedicated team player and attentive to learning and applying my skills in a professional environment.

### EDUCATION

#### Mälardalen University (Erasmus Exchange Program)

Västerås, Sweden | September 2024 – January 2025

Relevant Coursework: Internet of Things (Degree level), Applied Statistic in Engineering, Software Engineering. Software Engineering Project Teamwork.

#### Işık University

Istanbul, Turkey | September 2021 – Present

Bachelor's in Computer Engineering

GPA: 2.9

Relevant Coursework: Data Structures, Database Systems, Operating Systems, Computer Networks, Analysis of Algorithms, Advanced Java Programming, Android Programming, Object Oriented Programming.

### AREAS OF EXPERTISE

#### +Languages

- Java
- C++
- Python
- Assembly/MIPS
- Dash(Frontend)

#### +AppDevelopment

- Flutter
- Dart
- Android Studio
- Kotlin
- PHP

#### + Backend

- Spring Boot
- SQL
- Postman
- Firebase
- Docker , Git

#### +Internet of Things(IoT)

- Arduino
- Raspberry Pi

## PROFESSIONAL EXPERIENCE

### TAV Airports | Intern

Istanbul, Turkey | June 2024 – September 2024

- Assisted in maintaining airport systems and software, ensuring operational efficiency.
- Gained hands-on experience in database management and system optimization.

### DijiCrea | Intern (Present)

Istanbul, Turkey | June 2025 – Present

- Contributed to mobile and web application development using Flutter, Laravel, and Firebase.
- Gained practical experience in backend integration with PHP and SQL in a collaborative startup environment.

## CLUB ACTIVITIES

### Volunteer Android101 Course Instructor, HSD Club Işık University

Işık University – Istanbul, Turkey | March 2025 – Present

- Taught introductory Android development to a group of 20 students using Kotlin and Android Studio.
- Covered topics such as UI design, activity lifecycle, fragments, and local data storage with Room Database. Designed hands-on projects and guided students in building their own apps.

### HSD (Huawei Students Developer) Club | Club Member,

Işık University | February 2025 – Present

## LANGUAGES

- Turkish: Native
- English: C2 Level (Fluent)
- German: B1 Level (Intermediate)
- Swedish: A2 Level (Elementary)
- Dutch: A1 Level (Beginner)

## CERTIFICATIONS

- Python Programming for Data Science
- New York Jobs CEO Council – Software Engineering Job Simulation
- Skyscanner – Front-End Software Engineering Job Simulation

## REFERENCES

- |                  |   |  |
|------------------|---|--|
| • Imad Berrouyne | Professor from Malardalen University    | ( <a href="mailto:imad.berrouyne@mdu.se">imad.berrouyne@mdu.se</a> )         |
| • Berke Özenc    | Professor from Işık University          | ( <a href="mailto:berke.ozenc@isikun.edu.tr">berke.ozenc@isikun.edu.tr</a> ) |
| • Barış Eroğlu   | team leader from Tav Airport Internship | ( <a href="mailto:Beroglu@tav.aero">Beroglu@tav.aero</a> )                   |
| • Ebru Kulbay    | Ceo-Founder of DijiCrea                 | ( <a href="mailto:ebru@dijicrea.com">ebru@dijicrea.com</a> )                 |

## PROJECTS

### Anomaly Detection System for Wastermo

- Developed a Python-based anomaly detection system for water usage patterns in smart meters and worked with a group of 7 people.
- Designed algorithms to detect unusual water consumption patterns using machine learning techniques.
- Enhanced system accuracy by implementing advanced data preprocessing methods.
- Collaborated with team members to integrate the system into a cloud-based dashboard.

### KronikIzlem App

- Designed and developed a chronic-care tracking mobile app (medication reminders, appointment & doctor management, vitals/lab tracking, family profiles, reports) for Android/iOS with a 3-person team at DijiCrea.
- Tech: Flutter (Dart), GetX, Firebase (Auth/Firestore/Storage/Messaging/App Check), sqflite & SharedPreferences, local/push notifications, charts (FL Chart/Syncfusion), PDF/Excel export & printing, multilingual (TR/EN), theming, in-app purchases & ads.
- + published on Google Play and the Apple App Store.

### Royal Mind Mobile

- Designed and developed Royal Mind Mobile, a digital reading app offering library & discovery, chapter reading, text-to-speech listening, user profiles, push notifications, and premium subscriptions—built with MVVM, service/repository layers, and DI.
- Tech: Flutter (Dart 3), Provider, GetIt, Firebase (Auth—Google/Apple, Messaging, Analytics, Crashlytics, Core), RevenueCat (IAP), WebView, HTTP/REST, SharedPreferences, CachedNetworkImage/SVG, StoryView, JWT decoding; Android & iOS (web support).

### Internet of Things Implementation

- Designed and developed IoT solutions as part of a collaborative research project during the Erasmus exchange program at Mälardalen University.
- Focused on enhancing device communication and data handling

### Advanced Car Robot Project

- Built an Arduino-based smart car with features like obstacle detection, reverse light, speed display, and Bluetooth-controlled horn.
- Used interrupts, timers, and wireless modules for real-time control and mobile connectivity.
- Collaborated with a team to design, assemble, and test the system.

### Pomodoro App

- Developed an Android app using Kotlin, Room Database, and MVVM architecture to help users manage study and break intervals.
- Designed a user-friendly interface with customizable sessions, statistics tracking, and fragment-based navigation.
- Implemented features like auto-start break timers, session animations, and a reward system.
- Soon will be in Play Store.