

# MEHMET ŞAKİR ŞEKER

Software Engineering Candidate

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## SUMMARY

As a double major in Software Engineering and Genetic & Bioengineering, I approach problems with a multidisciplinary mindset. I have hands on experience in object oriented programming and database management, aiming to build a career at the intersection of technology and life sciences.

## PROJECTS

### E-commerce Project, Phoenixia Soft (work with friends)

May 2025 - Ongoing

- developed an e-commerce application using **Spring Boot and Hibernate**
- implemented **DTOs** for efficient and clean data transfer between layers
- designed secure **RESTful APIs** following **SOLID** principles
- applied **MVC** architecture to build scalable and maintainable code
- integrated **MySQL** for reliable data persistence and tested endpoints with **Postman**

### Test-Framework Project, School Project

April 2025 - May 2025

- developed a Java application for the Design Principles course using SOLID principles
- used design patterns such as **Singleton, Command, Composite, Facade, Factory, and Iterator**
- built the project with object-oriented programming to make it easy to update and expand
- kept the code simple and well-organized for better readability and maintenance

## EDUCATION

### Bachelor of Science in Software Engineering

Sep 2022-May 2026

Izmir University of Economics

- **GPA: 3.24**

### Double Major-Bachelor of Science in Genetics and Bioengineering

Feb 2024-May 2027

Izmir University of Economics

- **GPA: 3.65**

## ADDITIONAL INFORMATION

- **Programming Languages:** Java(advanced), Spring Boot, Python, Dart
- **Software Development:** Agile methodologies, version control (Git), SOLID, REST API
- **Database Management:** SQL, MySQL, PostgreSQL
- **Languages:** English(Upper Intermediate), Turkish
- **Certifications:** Environmental Impacts of AI Systems, Energy-Efficient Software Development

## VOLUNTEERING

### President of Social Responsibility Club - Izmir University of Economics - 2024 to present

- team management, organization, project planning, social responsibility, collaboration,