

## EDUCATION

### Bilkent University

**Bachelor of Science in Computer Science** 2025 - 2029 (Expected)

## PROFESSIONAL SUMMARY

- Computer Science student at Bilkent University with experience developing Java applications using JavaFX, MVC architecture, MongoDB and Git/GitHub.
- Experienced and interested in developing object-oriented applications that solve real-world problems through algorithmic thinking, data structures, and software design.
- Passionate about building scalable software, continuously learning new technologies, and contributing to collaborative engineering teams.

## TECHNICAL SKILLS

### Programming Languages

- Java (Intermediate)
- Python (Beginner)

### Tools & Technologies

- Git/GitHub
- JavaFX
- Swing
- MongoDB (Beginner)

### Software Development

- Object-Oriented Programming (OOP)
- MVC Architecture
- Data Structures
- Debugging

## PROJECTS

### Compass - University Social Networking Platform (Team Project) Java • JavaFX • Swing • MongoDB • MVC

**GitHub:** [github.com/gizemafyonluoglu/CompassProject](https://github.com/gizemafyonluoglu/CompassProject)

- Developed a desktop application for Bilkent students to discover, organize, and join campus activities.
- Implemented user authentication, account management, and Bilkent email verification with MongoDB.
- Applied the MVC architecture to build a modular and maintainable application.

### Balance - Smart Hobby & Schedule Planner (Personal Project) Java • JavaFX • MVC • Git/GitHub

**GitHub:** [github.com/gizemafyonluoglu/BalanceProject](https://github.com/gizemafyonluoglu/BalanceProject)

- Developed a desktop application that balances academic schedules with hobbies using object-oriented programming and the Java Collections Framework.
- Implemented an activity recommendation and scheduling system using Weather API integration and scheduling conflict detection.

### Locker - Secure Password Management System (Personal Project) Python • Object-Oriented Programming • JSON • File Handling • Manual Encryption

**GitHub:** [github.com/gizemafyonluoglu/LockerProject](https://github.com/gizemafyonluoglu/LockerProject)

- Developed a Python terminal-based password manager using object-oriented programming with secure credential storage, search, update, and deletion features.
- Implemented password generation, strength validation, manual encryption/decryption, and JSON-based storage using a modular application architecture.

## LANGUAGES

- Turkish (Native)
- English (C1)
- German (A2)

## PERSONAL INTERESTS

- Violinist, guitarist and pianist
- Tango dancer
- Debating

## INFORMATION

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📍 Ankara, Turkey