

# Mahmut Furkan Gön

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## Education

### Bilkent University

B.S. in Computer Science

Expected graduation date: Jun. 2024

**GPA: 3.12/4**

Ranked as 677<sup>th</sup> in the University Entrance Exam (YKS) among 2.528.031 people.

Relevant Courses: Computer Networks, Deep Generative Networks, Artificial Intelligence, Machine Learning, Database Systems, Operating Systems, Object-Oriented Software Engineering

## Projects

### MediXAI

Sep. 2023 - Ongoing

#### Capstone project diagnosing mammogram images

*Python, Flutter, Firebase, GitHub*

- Ongoing capstone project as a group of 5 under the supervision of Prof. Selim Aksoy.
- Assessing and diagnosing mammogram images, directing results in an explainable format using XAI.

### Gobooking

May. 2023

#### Database course project for renting

*Java, ReactJS, Spring Boot, PostgreSQL, GitHub*

- Web Application for home and room renting like Airbnb. Developed as a group of 5.
- Customers and homeowners can use the system to rent properties. Admins can control the system.

### BilKE

Dec. 2022

#### Erasmus management system for the Engineering Faculty

*Java, ReactJS, Spring Boot, PostgreSQL, GitHub*

- Web application for Erasmus management at Bilkent University Engineering Faculty. Developed as a group of 5.
- Instructors and managers control the system; students can apply and trace the process.

## Experience

### Bilkent University Software Engineering and Data Analytics Research Group (BILSEN)

Jan. 2023 - Present

#### Undergraduate Researcher

*Data Mining, Data Science, GitHub, Code Review, Process Smells*

- Researching process smells (antipatterns) under the provision of Asst. Prof. Dr. Eray Tuzun.
- I'm the first author of a paper under submission to the EASE 2024 Conference.
- I regularly review the papers of other members in our lab to find any possible errors, inconsistencies, and points to improve before their submission.

### Turkish Aerospace Industries (TAI)

Jul. 2023 - Aug. 2023

#### IT Intern

*Virtualization, vCPU/vGPU*

- Developed a virtual user class for education that requires vGPU among the company in the virtualization team.
- The education virtual user group is used in the company, which has 15,000 employers on 4 continents under high-security requirements.

### Visover Software Technologies

Jun. 2022 - Aug. 2022

#### Software Engineering Intern

*Jetpack Compose, Kotlin, Java, Android*

- Migrated a Java widget to Kotlin in AndroVid, a widely-used app with 50M+ downloads and 3M+ active users.
- The widget lets users edit the chosen video frames by adding stickers or customizing them. It is currently in use.

## Volunteering

### Bilkent University Social Awareness Projects

Jan. 2021 - May. 2023

#### Member

- Prepared activities to improve their cognitive development for children aged 0-6 staying with their mothers in prisons.
- Mentor in the program designated for high school students who were earthquake victims.

## Skills and Abilities

**Natural Languages:** Turkish (Native), English (*CEFR Level: C1, Full-Professional Proficiency*)

**Programming Languages:** Python, Java, C/C++, JavaScript, Dart

**Developer Tools:** Git, GitHub, Firebase, AWS

**Applications:** VS Code, Android Studio, IntelliJ IDEA, Microsoft Office, Jira,  $\LaTeX$

## Achievements and Certificates

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- IELTS Academic English Proficiency Test  
Reading: 8.5/9, Listening: 7.5/9, Speaking: 6.5/9, Writing: 7.0/9, Total: 7.5/9 Nov. 2023
- Turkcell Lexathon'23 Legal Technologies Development Program Certificate Nov. 2023
- P&G Via Plot Certificates Aug. 2021
- Bilkent University Comprehensive Scholarship Student Sep. 2019
- TÜBİTAK Chemistry Olympiad Achievement Certificate (National Science Olympiad)  
Ranked as 13<sup>th</sup> among more than 5000 attendees Aug. 2018

## Hobbies and Interests

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**Travelling:** Visited North Macedonia, Kosovo, Serbia, Montenegro, Georgia, and my homeland Turkey.

**Camping:** Camped in Isparta, Bolu, Bursa, Artvin of Turkey.

**Sports:** I like playing volleyball and football. I regularly play them and watch some matches from the tribunes.

**Reading:** I like reading books on various topics including history, philosophy, religion, self-improvement, and popular science.