

İREM ÖZDEMİR

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SUMMARY

A computer engineering student at TOBB University of Economics and Technology, serving as the president of the TOBB ETU Computer Science Community. Experienced as an undergraduate teaching assistant for the Java course, I have worked on various projects, showcasing my skills in software engineering and web development. I have a keen interest in machine learning and constantly seek opportunities to expand my knowledge in this field.

EDUCATION

Bachelor of Computer Engineering, TOBB University of Economics and Technology 2022 - 2026
Relevant Coursework: Database Systems, Software Engineering, Data Structures and Algorithms, Linear Algebra

SKILLS

Programming Languages:	Python, Java, C, JavaScript, HTML, CSS
Machine Learning and AI	TensorFlow, Keras, PyTorch
Web Development	React, Streamlit
Databases	MySQL
Data Analysis and Visualization	Pandas, Numpy, Matplotlib, MATLAB
Other	Git, OOP, JUnit, Shell Scripting, Linux, Verilog

EXPERIENCE

President May 2024 - Present
TOBB ETU Computer Science Community *Ankara, Turkey*

- Demonstrated exceptional leadership by organizing over 20 technical workshops, coding bootcamps, and hackathons, effectively cultivating a collaborative and innovative learning environment for 200+ students.
- Established partnerships with industry-leading tech companies, securing sponsorships and guest speakers to provide members with real-world insights and networking opportunities, bridging the gap between academia and the tech industry.
- Authored and published technical articles on topics such as software development, machine learning, and cybersecurity, contributing to knowledge sharing and establishing the community as a reputable source of technical expertise.

Undergraduate Teaching Assistant May 2024 - August 2024
TOBB University of Economics and Technology *Ankara, Turkey*

- Provided hands-on support to over 50 students in an introductory Java course, guiding them through complex programming concepts such as object-oriented programming, algorithms.
- Assisted students during lab hours by troubleshooting code and explaining challenging concepts, resulting in a noticeable improvement in overall class performance.

President May 2023 - May 2024
ETUCYBER *Ankara, Turkey*

- Organized and participated in Capture The Flag (CTF) competitions, improving members' practical skills in cybersecurity and ethical hacking.
- Formed and led the community's first CTF team, securing an impressive 36th place among 324 teams in our debut competition at STM CTF.
- Implemented initiatives to promote inclusivity within the community, resulting in a 30% increase in female membership.

PROJECTS

Space Radio Built a website with AR models of planets where users can listen to music. Utilized AR technologies and various libraries. Implemented using HTML, CSS, JavaScript and React. ([Try it here](#))

Tracking Flights Developed a flight tracking system using real-time flight data. Employed Python, Pandas, NumPy, and Streamlit to process and analyze large JSON datasets, extracting key information such as altitude, speed, and flight paths. Created interactive data visualizations to showcase insights, including altitude changes and geographical movements. This project enhanced my skills in data manipulation, analytical thinking, and interactive data presentation.

CERTIFICATES

- Machine Learning Bootcamp
Issuer: Akbank
- Deep Learning Bootcamp
Issuer: Koç, Aygaz
- MATLAB
Issuer: MathWorks
- Data and Analytics
Issuer: Microfon
- Automate Cybersecurity Tasks with Python
Issuer: Google
- Cybersecurity Summer Camp
Issuer: Turkish Cybersecurity Cluster, Ankara University
- Foundations of Cybersecurity
Issuer: Google
- Python201
Issuer: Turkcell