

# MERT EFE ŞENSOY

## COMPUTER ENGINEERING STUDENT

### CONTACT

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### EXPERIENCES

#### Turkish Airlines - Junior Data Analyst (Part Time)

September 2025 - Ongoing

In my role at Turkish Airlines, I support the Revenue Analysis Department, Analysis & Reporting Unit within Revenue Management by delivering data-driven insights through analytical reporting, statistical analysis, and machine learning-based modeling. I work with large-scale commercial and operational datasets to identify revenue trends, demand patterns, and performance indicators that contribute to pricing, forecasting, and revenue optimization. Leveraging data science tools and my Computer Engineering background, I contribute to reporting improvements, workflow efficiency, and actionable business intelligence in collaboration with cross-functional stakeholders.

#### IBM Champion'26

February 2026 - Ongoing

Selected as an IBM Champion 2026 in recognition of outstanding advocacy, leadership, and community impact within the IBM ecosystem. Built visibility for IBM Z and enterprise technology through student outreach, technical event organization, mentorship, and cross-community collaboration. Recognized for driving engagement, supporting talent development, and serving as a credible ambassador for IBM technologies across academic and professional audiences.

#### ASTECH Defence - Summer Internship

July 2025 - September 2025

Developed a FreeRTOS-based real-time embedded application in Embedded C, implementing 10+ concurrent tasks with priority scheduling, queues, and mutexes; conducted runtime and memory analysis (CPU utilization up to ~90% under stress, stack and heap monitoring) to ensure deterministic and robust system behavior, and applied defense industry software quality practices, static analysis, Git/GitHub-based version control in a secure R&D environment.

### PROJECTS

#### Milk Production & Distribution Tracking System

October 2024 - January 2025

As part of the CMPE 232 course we designed and implemented a system to optimize milk production and distribution, ensuring quality and efficiency. Used SQL and .NET Framework for database management and system development, enabling IoT integration and data driven decision making.

#### AIAA Design Build & Fly Competition

September 2024 - November 2024

Led the team as Captain, in the AIAA DBF (Design, Build & Fly) competition, we oversee both financial and technical coordination. We collaborate on the UAV's embedded software and image processing systems.

### ACADEMIC BACKGROUND

#### TED University

2023 - 2027

Computer Engineering (English /100% Scholarship)

- Business Administration Minor Program (English)
- IBM Z Student Ambassador & IBM Z Student Club President
- Student Mentor

### AWARDS AND CERTIFICATES

- Network Automation Engineering Fundamentals
- IBM Data Science Professional Certificate
- IBM Z Xplore - Advanced
- Unmanned Aerial Vehicle (UAV) Pilot Certificate
- Certificate of Competence for Short Range Radio Operators

Cisco Learning and Certifications

IBM

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SHGM / Sivil Havacılık Genel Müdürlüğü

T.C. Denizcilik Genel Müdürlüğü

### SKILLS

- English (C1)
- Java, C, C++, Python, SQL, COBOL, FreeRTOS, IBM Z