

Mitat Mehmet Erşeker

Senior Computer Science and Engineering Student at Sabancı University

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Education

- Sabancı University** | Bachelor of Science (BS), Computer Science and Engineering 09/2021 – 06/2026
- GPA: 2.99/4.00 İstanbul, Türkiye
- Relevant Coursework: Software Engineering, AI, Machine Learning, Introduction to Deep Learning, Computer Networks
- University of Maribor** | Bachelor of Science (BS), Computer Science and Engineering 02/2025 – 07/2025
- Erasmus+ Exchange Program Maribor, Slovenia
- Muammer Dereli Science High School** | Secondary Education, Mathematic and Natural Sciences 09/2016 – 07/2020
- Grade: 91.4/100 Kocaeli, Türkiye

Work Experiences

- Penta Teknoloji** 07/2025 – 09/2025
Software Developer Intern İstanbul, Türkiye
- Developed PentaStore, a monolithic e-commerce web application using .NET Core, React, and MySQL.
 - Implemented authentication and core workflows (product search, cart, checkout) with a modern, interactive UI.
 - Integrated voice and image-based product search using Google Cloud Speech-to-Text and Google Cloud Vision API, isolated in separate Python virtual environments to prevent dependency conflicts.
- Scale AI – Outlier** 10/2024 – 02/2025
Attempter Remote
- Designed challenging prompts to evaluate an AI model's instruction following, factual accuracy, and response quality.
 - Analyzed and documented errors across generated responses, then corrected issues in the best-performing output.

Projects

Graduation Project: Domain Generalization for Remote Sensing Scene Classification

- Developed a comprehensive experimental pipeline for multispectral remote sensing cross-domain generalization.
- Strong baselines and domain generalization techniques with worst-domain metrics were implemented and benchmarked.
- Investigated multispectral input techniques and contemporary designs under spectral mismatch limitations.
- Repeatable Conda and CUDA/GPU operations for ablations and iterative experiments.
- Created a DG evaluation checklist for input representation, transferability, split integrity, and leakage risk.

SUstore:

- Developed SUstore, a web-based e-commerce application using Django (backend) and React (frontend).
- Delivered a modern, interactive UI and core online shopping features for a complete customer purchase flow.
- Implemented role-based access with three user types:
 - Customer: browse products and purchase like a standard e-commerce site
 - Sales Manager: adjust product prices (discounts/increases)
 - Product Manager: manage inventory/stock, add products, and maintain categories

QuizMaster:

- Built QuizMaster, a secure quiz web app with user authentication and social login.
- Integrated Open Trivia API for question generation and implemented server-side scoring based on accuracy and response time.
- Added a leaderboard, score history, and a responsive UI.

Skills & Languages & Interests

Technical Skills: Python, C++, C#, Java, Arduino, HTML/CSS/JS, Django, React, Matlab (Simulink), Docker

Other: MS Office

Language: Turkish (Native), English (Fluent)

Interests: Chess, Football