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, 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 e-commerce workflows (product browsing, 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 Generalized Remote Sensing Scene Classification
- Addressing the Domain Generalization challenge in satellite imagery using the BigEarthNet dataset to improve classification performance across different geographical regions.
- Investigating the modern Mamba (State Space Models) architecture within a Deep Learning framework, analyzing its robustness as an efficient alternative to traditional CNNs and Transformers.
- Implementing advanced training strategies in Python (PyTorch) to evaluate model stability and generalization capabilities on unseen target domains.

SUtore:
- Developed SUtore, 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 dynamic 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