

Mukhammed-Ali Malikov

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TECHNICAL SKILLS

- **Languages:** C++, C#, Python, SQL
- **Databases:** MySQL, SSMS
- **Frameworks:**
 - Python:** PyTorch, TensorFlow
 - C++:** Qt, OpenCV
 - C#:** .NET, ASP.NET
- **Technologies and Tools:** Docker, Jupyter Notebook, Hugging Face, Visual Studio, VS Code

WORK EXPERIENCE

Municipal Information Technology Center April - May 2025

Data Science intern

- Assisted in collecting, cleaning, and organizing datasets for internal analytics.
- Performed exploratory data analysis (EDA) using Python and SQL.
- Supported technical documentation and report generation.
- Participated in small automation and data-driven projects within the department.

EDUCATION

B.S. Computer Engineering, Uskudar University

June 2026

PROJECTS

1. Image Classification using CNN

Developed and trained a Convolutional Neural Network (CNN) using PyTorch for image recognition tasks.

Implemented data preprocessing, augmentation, and evaluation with TensorFlow and OpenCV.

2. Customer Segmentation

Applied K-Means and Hierarchical Clustering to group customers based on behavioral data.

Performed feature scaling, data cleaning, and visualization using Scikit-learn and Pandas.

3. Library Management System

Designed an object-oriented management system using C++ with data structures such as linked lists and trees.

Implemented file handling, user authentication, and efficient data retrieval.

4. Student Database Management System

Created a relational database in SSMS to store and manage student information.

5. Temperature Monitoring System

Built an Arduino-based and STM32 embedded system for temperature measurement and display.

Programmed sensors in C/C++, with real-time data visualization and alert thresholds.