Dulce Matei-Ionuț

Junior Software Engineer

CONTACT

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ABOUT ME

Motivated Junior Software Engineer with a Bachelor's degree in Computer Science and currently pursuing a Master's in Cyber Security and Machine Learning. Skilled in C#, .NET, SQL, and Python, with experience developing academic projects ranging from web applications to database-driven systems. Passionate about building reliable and secure software solutions, applying clean coding principles, and learning new technologies. Looking forward to contributing to a dynamic development team while growing into a well-rounded software professional.

SKILLS

Technical Skills

- Programming Languages: C#, Python, Java, SQL
- Web Development: HTML, CSS, JavaScript, Bootstrap, RESTful APIs
- Frameworks & Tools: .NET, ASP.NET Core, Visual Studio, Entity Framework, Git
- Databases: MySQL, SQL Server
- Other: Object-Oriented Programming (OOP), Algorithms, Debugging

Soft Skills

- Problem-Solving & Critical Thinking
- Team Collaboration & Communication
- Adaptability & Continuous Learning
- Attention to Detail
- Time Management & Organization

PROJECTS

Topic Trips Guide

A web application for planning and exploring tourist routes, focusing on significant historical and culinary locations in Europe. The application allows users to create personalized routes, either based on predefined itineraries or by selecting locations from the lives of European historical figures. Each location includes detailed historical information and relevant images, with a mini wiki component for additional context.

Face Recognition App

A Python-based facial recognition system built with PyQt6, OpenCV, and NumPy, implementing multiple algorithms for identifying and comparing human faces.
The project allows testing and visualizing methods like Nearest Neighbor (NN), k-Nearest Neighbors (k-NN), Eigenfaces, Class Representatives, and Lanczos Algorithm using the AT&T (ORL) Face Database.

Bezier and B-Spline Curves

This project is a Python-based graphical application built using PyQt5 and Matplotlib that allows users to visualize and interact with Bezier and B-Spline curves.

EDUCATION

Master's Degree in Cyber Security and Machine Learning
• October 2025 – Present
Ovidius University, Constanta - Faculty of Mathematics and Informatics

Bachelor's Degree in Computer Science
• October 2022 – July 2025
Ovidius University, Constanta - Faculty of Mathematics and Informatics

LANGUAGES

Romanian - Native
English - Advanced