Resume

Konstantinas Ovčinikovas, Vilnius

[LinkedIn](#) [Github](#)

konstantinas.ovcinikovas@gmail.com, +37060140209

Summary

What excites me about Artificial Intelligence is its deep complexity. I'm driven to understand how it all works. As a final-year AI student, this curiosity fuels my passion for solving hard problems. I'm a dedicated and friendly teammate who believes that great work comes from putting in the effort and working together.

Projects

LLM Quiz generator

Architected a full-stack application that generates interactive quizzes from study materials to enhance learning, using an LLM (Gemini API). With **Python Flask** backend, **Typescript React** for the frontend, **MongoDB** for storage. Designed a **RESTful** API for **CRUD** operations and **Google OAuth 2.0** authentication system. Website link: https://quizzyedu.vercel.app

Personal Website-Portfolio

Developed and deployed a personal portfolio **website** using HTML, CSS, and JavaScript to show my projects and skills.
Hosted via GitHub Pages: https://cruetto.github.io/PortfolioWebsite/

AI & Machine Learning Implementations (University Portfolio)

Galaxies classification: This project automates the classification of galaxy types (elliptical, spiral, and irregular) using a **Convolutional Neural Network** built with **Keras/TensorFlow** upon the ResNet50V2 architecture. The model was trained on the Galaxy Zoo dataset using a combination of **transfer learning** and **fine-tuning**, employing **data augmentation**, Dropout, and Early Stopping techniques. The final performance is evaluated using a confusion matrix with accuracy 76%.

Small projects: Executed several projects in object recognition, text recognition and segmentation using **classical methods**. Developed a vehicle counting system using **HOG** descriptors, detected road signs with **MSER** and made panoramic photos by stitching two images using **SIFT** features.

Statistics and BigData: Analyzed operational data from a major delivery company using PySpark, developing a Linear Regression model to predict daily costs.

Professional Experience

Oracle PL/SQL Developer | (May, 2025) – Present

Mastered the art of data archaeology by optimizing highly complex, multi-table SQL queries to generate business reports from Oracle EBS schemas.

Education

Bachelor of Science in AI Systems
Vilnius Gediminas Technical University
(4th Year Student)

Expected Graduation (June, 2026)

NKKM Coding course (3 years)

Languages: Python, SQL, C++, TypeScript, JavaScript

AI / ML Engineering:

Frameworks: PyTorch, TensorFlow, Scikit-learn, LangChain, Hugging Face
Libraries / Tools: numpy, pandas, matplotlib, OpenCV, Pydantic
GenAI / LLMs: RAG, Prompt Engineering, Fine-tuning, Vector Databases
Computer Vision: Object Detection, Classification, Segmentation, Feature Matching (SIFT, MSER, HOG, etc.)

Backend & Infrastructure:

Tools: Flask, FastAPI, RESTful APIs, Pydantic, Docker, Git, Linux, Jira

Databases: MongoDB (NoSQL), Oracle (SQL)

Languages

Lithuanian, English, Russian

Hobbies:

Chess, Cycling, Cold swimming