VLADIMIR MIJIĆ
AI/ML Research Engineer

 Banja Luka, BiH   vladocodes@gmail.com   GitHub

                                                               in LinkedIn

AI/ML Research Engineer at LANACO
 since October 2024

- Engaged in research and development in the field of natural language processing, with a focus on applied AI techniques.

- Developed a computer vision-based parking occupancy detection system as part of LANACO's smart city platform.

- Also developed a real-time edge computing solution for processing sensor data from industrial routers and Lo-RaWAN gateways.

- Mentored a group of 10 university students during an AI/ML internship programme centred on real-time data streaming. Delivered lectures, conducted hands-on workshops, and supervised end-to-end project development.

- **Tech stack**: Python, PyTorch, OpenCV, Hugging Face stack, MQTT, GStreamer, NVIDIA Jetson platform (JetPack, TensorRT, CUDA, DeepStream), Docker, Git

Scholarship Holder – AI/ML Research Student at LANACO
 October 2022 – October 2024

- Worked on the development of a visual recommender system leveraging content-based image retrieval.

- Built a proof-of-concept automatic number plate recognition system using deep learning for detection and optical character recognition.

- Co-mentored a group of 15 university students during an AI/ML internship, delivering a technical workshop on retrieval-augmented generation using open-source LLMs.

- **Tech stack**: Python, PyTorch, TensorFlow, OpenCV, Hugging Face Transformers, Linux, Docker, Git

Embedded Software Intern at SYRMIA (now part of HTEC Group)
 April 2024   *(short-term university internship)*

- Gained hands-on experience in embedded software development for the automotive industry.

- Contributed to system safety validation and build automation processes using CI pipelines and unit testing frameworks.

- Applied the Elastic Stack for system monitoring, data aggregation, and dashboard-based reporting.

- **Tech stack**: C, Elasticsearch, Logstash, Kibana, Git

BSc in Computer Science
Faculty of Natural Sciences and Mathematics, University of Banja Luka
 October 2020 – Present   *Expected graduation: December 2025*

Telecommunication technician
High School of Electrical Engineering "Nikola Tesla" Banja Luka
 09/2016 - 05/2020

ADDITIONAL PROFESSIONAL DEVELOPMENT AND ACHIEVEMENTS

- Alumni and volunteer at the Bosnia and Herzegovina Futures Foundation

- Volunteer at the CODE4SEE Network (since 2023)

- Third place – Youth Innovation Award, Sarajevo, December 2023

- Volunteer – Data Science Conference Europe, Belgrade, November 2023

- Third place – Machine Learning Challenge at "barKod" Hackathon, Novi Sad, February 2023

- Associate member of the Association for Digital Transformation in BiH (2021–2022); initiated the Open Data BiH initiative.