Nazih Errahel

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EXPERIENCE

Computer Vision Developer | Irkutsk Technical University
Fev 2024 – Present

Developed real-time object detection systems.
Integrated advanced data management tools.
Leveraged cutting-edge technologies to solve real-world problems.

Solar Snow Light, Irkutsk – *Summer Manufacturing Practice*
 Aug 2022 - Sep 2022

Designed database models, developed Flask servers, and managed web scraping
for an AI-based geo organizer app.

EDUCATION

Irkutsk National Research Technical University, Irkutsk –
Bachelor of Artificial Intelligence and Data Science
Sep 2019 - june 2024

Studied AI, Computer Science, and cutting-edge technologies in English.

PROJECTS

Aluminum Dust Cloud Detection Using YOLOv8

Implemented temporal analysis for reducing false positives and improving detection reliability.
Fire detection using temporal analysis
Developed a model ensemble, achieving **99%** accuracy

SKILLS

Programming Languages: Python, R, JavaScript, SQL, HTML/CSS
AI and Machine Learning: Deployment of AI algorithms, Data analysis with Pandas, Seaborn, Matplotlib, Plotly
Computer Vision: Neural Networks, YOLOv8, PyTorch, OpenCV, Data Augmentation/labeling
Data Management: PostgreSQL, MLflow, DVC, DagsHub
DevOps: CI/CD Pipelines
Time Series Analysis: Regression

LANGUAGES

English: Fluent

Russian: Proficient

Arabic: Native

French: Conversational