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Top Skills

Machine Learning Algorithms
Deep Learning
Machine Learning

Certifications

Generative AI with Large Language Models
AI for Everyone
Deep Learning Specialization
Machine Learning Specialization
Artificial Intelligence

Aleksejus Sosidko

PhD in Economics

Vilniaus, Lithuania

Summary

Senior Data Scientist experienced in Tabular, NLP, and CV, with proven work in both utilities (ESO) and public registries (Registru centras). I apply AI to automate business processes—ranging from Mass Outage Forecasting, contractor documentation quality assessment (NLP), and CV-based network data validation, to Document AI solutions for large-scale document ingestion, text extraction, structured information extraction via prompt engineering, and quality/error detection.

My skills are complemented by certifications in Generative AI with Large Language Models, AI, Machine Learning, and Deep Learning.

Experience

Registru centras

Senior Data Scientist

October 2024 - Present (1 year 5 months)

Vilnius, Vilniaus, Lithuania

The primary responsibility involves utilizing Artificial Intelligence algorithms to automate various document processing workflows.

LLM:

- Lead end-to-end LLM initiatives for document understanding and workflow automation;
- Design and maintain ingestion pipelines for multi-format documents (PDF, DOCX, scanned images, archive containers);
- Build extraction workflows that transform unstructured text into structured JSON outputs for downstream systems;
- Develop prompt engineering standards, deterministic normalization rules, and schema-based validation logic;
- Run continuous evaluation loops (error analysis, mismatch review, regression checks) and improve extraction quality iteratively;

- Implement human-in-the-loop controls so specialists retain final decision authority while AI accelerates initial assessment and preparation.

ML:

- Develop and operate classical ML pipelines for business process automation and decision support;
- Build supervised models for document/email classification, relevance detection, and request-type routing;
- Own the full lifecycle: dataset preparation, feature/label pipeline design, training, validation, and production-quality monitoring;
- Improve model robustness through structured error analysis, and retraining cycles.
- Translate model outputs into actionable operational recommendations for business teams.

AB „Energijos skirstymo operatorius“ (ESO)

Data Scientist

March 2021 - August 2024 (3 years 6 months)

Vilnius, Lithuania

The primary responsibility involves utilizing Artificial Intelligence algorithms to automate operational workflows and improve decision quality.

Main Projects:

- Mass Outage Forecasting (Tabular)
- Contractor Documentation Quality Assessment (NLP)
- Network Data Validation From LV Cable Cabinet Schemes (CV)

Across these projects, I design and maintain end-to-end ML pipelines, from data preparation and model development to evaluation, deployment support, and continuous performance improvement.

Vinted / Kleiderkreisel

Machine Learning Intern

October 2020 - December 2020 (3 months)

Vilnius, Lithuania

OC VISION

Data Analyst

April 2017 - December 2019 (2 years 9 months)

Lithuania

Responsabilities:

- Reporting & Metrics
- Business Analysis
- Budgeting
- Team Support

Achievements:

- Upgraded most of the reports, made them more clearly and readable.
- Created various new reports which helped to accept or decline business ideas.
- Helped team members to be more efficiency working with MS Excel and Axapta.

RJF Baltic

Analyst

June 2016 - April 2017 (11 months)

Lithuania

Responsabilities:

- Reporting & Metrics
- Business & Financial Analysis
- Budgeting
- Cash flow Controling

Kelvista

Economist

August 2015 - June 2016 (11 months)

Lithuania

Responsabilities:

- Reporting & Metrics
- Budgeting

Achievements:

-Created, developed and implemented projects evaluation system

Swedbank Lietuvoje

Customer Support Specialist

May 2014 - August 2015 (1 year 4 months)

Lithuania

Responsabilities:

- Daily Products

- Loans
- Pension
- Insurance

RJF Baltic
2 years 8 months

Analyst
May 2014 - August 2015 (1 year 4 months)
Lithuania

Responsabilities:

- Financial Analysis
- Budgeting

Achievements:

- Created absolutely new company budget from scratch

Human Resources Specialist
January 2013 - May 2014 (1 year 5 months)

Responsabilities:

- Recruiting working class people in Lithuania and abroad.

Education

Mykolas Romeris University
PhD, Economics · (2017 - 2022)

Mykolas Romeris University
Master's degree, Economics · (2013 - 2015)