

## Contact

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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  
Vilnius, 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.

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## Experience

### Registru centras

#### Senior Data Scientist

October 2024 - Present (1 year 5 months)

Vilnius, 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

Responsibilities:

- 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

Responsibilities:

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

Kelvista

Economist

August 2015 - June 2016 (11 months)

Lithuania

Responsibilities:

- 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

Responsibilities:

- Daily Products

- Loans
- Pension
- Insurance

### RJF Baltic

2 years 8 months

#### Analyst

May 2014 - August 2015 (1 year 4 months)

Lithuania

#### Responsibilities:

- Financial Analysis
- Budgeting

#### Achievements:

- Created absolutely new company budget from scratch

### Human Resources Specialist

January 2013 - May 2014 (1 year 5 months)

#### Responsibilities:

- Recruiting working class people in Lithuania and abroad.

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## Education

### Mykolas Romeris University

PhD, Economics · (2017 - 2022)

### Mykolas Romeris University

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