BAHA CELIK

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Highly motivated and **outcome-oriented** Data Scientist with a proven track record in **scoping and delivering end-to-end AI solutions** and **transforming** business processes through **hands-on experimentation** and advanced analytics. Eager to **leverage** expertise in machine learning, GenAI, and data engineering to **solve real-world business problems** and **add value**. Committed to **promoting clear directions for standards, best practices, and ways of working** while contributing to the **AWS migration** and **empowering the organization** to **leverage data and AI technologies** in a collaborative environment.

EDUCATION

Vilnius Tech	Vilnius
Bachelor of Applied Artificial Intelligence *GPA: 9.1 / 10*	September 2022 - Present

Relevant coursework includes: Advanced Machine Learning, Statistical Modeling, Cloud Computing Principles, Data Structures & Algorithms. **Turing College** — Vilnius

Data Science	March 2023 - August 2023

WORK EXPERIENCE

TMV Capital	Vilnius
Intelligent Process Automation Specialist	August 2023 - May 2024

- **Transformed** the company's data management from Excel-based systems to relational databases (MongoDB) within 6 months, utilizing low-code platforms (Aurachain).
- **Designed user interfaces (UI/UX)** and **maintained robust data pipelines**, ensuring efficient **data collection** and integrity.
- Gained **hands-on experience** in **database management**, RPA, and data collection, **solving real-world business problems** through process automation.

TMV Competence Center	Vilnius
Process Automation Developer	May 2024 - Mar 2025

- **Led the migration** to Microsoft Power Platform (MS Power Automate, MS Power Apps), **transforming** internal processes and **leveraging automation capabilities** across the organization.
- **Developed and delivered multiple AI applications**, including an invoice extraction system from PDFs and user input validation, **adding value** by streamlining operations.
- **Designed and implemented** in-house RPA tools and an internal stamping API, significantly reducing reliance on external providers and **promoting best practices** in process automation.

Accenture	Vilnius
Data Science & AI Intern	Mar 2025 - Present

- **Applied** advanced analytics, supervised ML, unsupervised ML, time series, recommendation systems, text analytics, NLP, GenAI/LLM, and computer vision to **deliver end-to-end AI solutions**.
- **Contributed** to **real-life machine learning projects in production**, including GenAI systems for secure data navigation (Defence) and machine vision for QA (Automotive), **elevating data-driven decision-making** and **adding value**.
- **Developed and implemented** prompt engineering strategies for realistic demo scenarios, demonstrating **hands-on experimentation** and **problem-solving**.

Advokatas.ai	Vilnius
Founder	Jun 2025 - Present

- **Scoped and delivered** Advokatas.ai, an **end-to-end AI solution** as an AI legal chatbot for Lithuania, leveraging **RAG architecture** with a vectorized database of the Lithuanian legal system.
- **Designed and developed** a system to provide 24/7 legal advice, **solving real-world business problems** and demonstrating a **product development mindset** with a focus on **adding value**.

SKILLS

Programming Languages:	Python, SQL, Power Fx
Machine Learning & AI:	Mathematics, Statistics, Machine Learning (Supervised, Unsupervised), Deep Lear
Data Processing & Databases:	Spark/PySpark, SQL (Microsoft SQL, MongoDB), Pandas, Numpy
Cloud Platforms:	AWS, Azure, GCP
MLOps & DevOps:	Git, Docker, CI/CD, MLflow, Airflow
Web Frameworks & APIs:	FastAPI, Flask, React, REST API
Business Intelligence & Automation:	MS Power Apps, MS Power Automate, MS Power BI, RPA (Aurachain)
Methodologies:	Agile, Design Thinking

PROJECTS

3-D Print Failure Detection *Python*   GitHub Link

Developed a **computer vision** solution to detect 3D print failures, aiming to **save costs** for university printers. Utilized OpenCV and TensorFlow. **RageDetector** *Python*   GitHub Link

Implemented a real-time video emotion detection system using deepface, showcasing expertise in **computer vision** and **machine learning** for emotion recognition. **Weapon-detection** *Python*   GitHub Link

Designed and fine-tuned YOLO v12 for object detection, demonstrating advanced **computer vision** and **deep learning** skills in a critical application. **Obstacle-avoidance** *Python*   GitHub Link

Created a visual simulation of a navigation algorithm, applying principles of **AI** and **problem-solving** in pathfinding. To see more projects please check out my GitHub