MILAN KACAR

AI Engineer | Data Scientist | Data Engineer

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ABOUT ME

AI-driven Software Engineer with over 5 years of experience in e-commerce and FinTech. Geodesy graduate from TU Graz with a strong foundation in mathematics, data analytics and academic research.

PERSONAL INFORMATION

🎓 Date of birth	01.09.1995
📍 Birthplace	Banja Luka, BA
🏳 Citizenship	Austrian

EDUCATION

BSc Geomatics Engineering
University of Technology, TU Graz

📅 2015 - 2019   📍 Graz, Austria

Master's Degree Programme - Geodesy
University of Technology, TU Graz

📅 2019-2024   📍 Graz, Austria

Master's Degree Programme - Computer Science
University of Technology, TU Graz

📅 2020-2024   📍 Graz, Austria

WORK AND PERSONAL PROJECTS

- **Data Integration & ETL** – Design and manage scalable ETL pipelines to unify and validate data across diverse systems, supporting reliable analytics at Niceshops GmbH and Gateway Ventures.
- **Data Lakes & Warehousing** – Spearheaded the development of a centralized data lake architecture at Gateway Ventures. Currently lead the maintenance and optimization of the Niceshops data warehouse, ensuring fast and secure access to critical business data.
- **Business Analytics & Forecasting** – Generate strategic insights by integrating data from GA4, Facebook, TikTok, and internal tools to monitor trends, forecast demand, and support executive decision-making.
- **Dashboards & Looker Enablement** – Build dynamic dashboards in Looker and other BI platforms to automate reporting for various departments. Completed advanced Looker training and now lead in-house workshops to empower teams with self-service analytics capabilities.
- **AI Solutions for Business Optimization** – Develop AI-driven tools and predictive models to identify operational inefficiencies, improve product strategies, and drive measurable business outcomes across functions.
- **Cross-Functional Data Consulting** – Collaborate closely with marketing, sales, logistics, and finance teams to deliver customized analytical solutions, bridging technical and business needs in a data analyst capacity.
- **Anomaly Detection & Pattern Recognition** – Apply statistical and ML techniques to detect anomalies, uncover hidden patterns, and optimize workflows in high-volume datasets.
- **Technical Blog & Thought Leadership** – Author a personal blog focused on programming, AI, mathematics, finance, and LeetCode problems, showcasing problem-solving skills and a passion for continuous learning.

TECHNICAL STRENGTH

Skill	Level
Python	●●●●●
Google Cloud	●●●●●
C/C++	●●●●●
GIS	●●●●●
PostgreSQL	●●●●●
AWS	●●●●●
Navigation	●●●●●
GNSS	●●●●●
Signal Processing	●●●●●
Java	●●●○○
Data Structures & Algorithms	●●●●●
MySQL	●●●●●
Docker	●●●●●
Java Script	●●●●○
PHP	●●●●○
Linux	●●●●●
R	●●●●○
Apache Spark	●●●●●
Kubernetes	●●●●●
Databricks	●●●●○
Scala	●●●●○
Looker	●●●●●

DISSERTATION WORK

BSc Thesis

Database for cycling routes

- Entity Relationship Diagram.
- Building the Database.
- Conversion from analog to digital maps.

MSc Thesis

PV (Photovoltaic) panels detection from satellite images

- Project uses AI (Artificial intelligence) and ML (Machine learning) as a hybrid approach to detect panels.
- Building an independent model to work on different datasets.
- Cloud computing
- YOLOv5

WORK EXPERIENCE

Survey Engineer

GEODATA

📅 July 2019 - December 2020   📍 Semmering Basistunnel, Austria

- Tunnel surveying | 3D Laser scanner measurements

Teaching Assistant

TU Graz

📅 March 2021 - January 2022   📍 Graz, Austria

- Integrated navigation | Sensor fusion | Indoor navigation

Software Engineer

TU Graz

📅 Sep 2019 - January 2022   📍 Graz, Austria

- Software Architect | Project Management | Automation | Data Analysis | ML Forecasting | Statistics | Automotive Battery and Electric Vehicle Testing

Data Scientist & Data Engineer

niceshops GmbH

📅 January 2021 - pending   📍 Vienna, Austria

- Finances (all types of tasks) analysis | Data Engineering | Large scale data crawling | Cloud computing | GCP | Looker | AI & ML tasks | Courses inside the house / teaching (Looker) | Research about demand forecasting |

Data Engineer / TL

Gateway Ventures GmbH

📅 August 2023 - pending   📍 Vienna, Austria

- Startup Founding | Startup Valuation models | Pitch Deck Analyzer | Tinder for Investors/Startups | Data Lake construction | Data Mining | Data Scraping | Project Management | Investor matchmaking tool

STRENGTHS

Hard-working   Decision Making
Ability to Work Under Pressure
Motivator & Leader
Conflict Resolution   Time Management
Target oriented   Able to travel
Flexibility and Adaptability
Problem solver

LANGUAGES

Serbian | Croatian | Bosnian
English
German
Russian

HOBBIES

Reading
I am trying to read a book per week.

Sports Addict
At a young age I enjoyed playing tennis, but my interests migrated towards Fitness and healthy food.

Travelling
After living in a rustic, small town for the past 18 years, I was craving change and adventure. Ten years later, I've traveled to more places during college than the first two decades of my life.

Trading
I love to analyze the markets and factors that may impact the price on daily/weekly and long term basis.