

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

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.