

## Skills

|           |                                      |
|-----------|--------------------------------------|
| Languages | English (fluent)                     |
| Dev       | Python, Java, JavaScript, C/C++      |
| Data      | PyTorch, PostgreSQL, R, Spark MLlib  |
| Ops       | Docker, AWS (EC2, S3, Lambda), Kafka |
| Analytics | Excel, Tableau, SAS                  |

## Experience

11.2024 – 04.2024 **Intern, Erste Bank**

- Analyzed large datasets in EWS System, and creating interactive Tableau dashboards.
- Produced quarterly/monthly reports on KPIs, providing stakeholder analysis.
- Conducted ad-hoc reports and analyses for Early Warning system.
- Utilized SQL (predominantly SAS) for data querying and manipulation.

08.2022 – 05.2023 **Technical Support, Raiffeisen Bank International**

- Helped to test and automate test cases, and steps to support them
- Collaborated with the IT Team to build a stream native platform using Apache Kafka
- support on managing invoices and provided help to the accounting team
- hands-on experience with Spark and big data tools such as Databricks

## Projects

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|---------------------|---|
| Full Python Project | <ul style="list-style-type: none"><li>○ Collected data from various sources using API calls.</li><li>○ Processed and aggregated this data using state-of-the-art libraries including pandas, numpy, sklearn.</li><li>○ Built custom functions to visualize results and interpret the outcome.</li><li>○ Built machine learning models to answer questions of the project.</li></ul> |
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| Session-based Recommendation | <ul style="list-style-type: none"><li>○ Analyzed customer data using various data analysis techniques.</li><li>○ Implemented various algorithms including word2vec, Gru4Rec, TensorFlow recommender.</li><li>○ Visualized and interpreted the results of those models.</li></ul> |
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| Relation Extraction - NLP | <ul style="list-style-type: none"><li>○ This project is about retrieving information from reviews of different people regarding food. The dataset contains various reviews and uses Natural Language Processing techniques to understand the relationship from those reviews and predict if the food is a cause or threat of some diseases.</li><li>○ Implemented various Neural network models (LSTM, RNN).</li><li>○ Applied multiple techniques to the dataset to boost learning of the model (under-sampling data, bi-grams and tri-grams, labeling words using tags).</li></ul> |
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## Education

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|----------------|---|
| 2021 – present | <b>MSc, Data Science, TU Wien</b>           |
| 2016 – 2019    | <b>BSc, Computer Science, Badji Mokhtar</b> |

## Certificates

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|------|---|
| 2019 | International English Language Testing System (IELTS) |
| 2020 | Python Object-Oriented Programming                    |
| 2023 | Python Data Analysis                                  |