

LINKS

[LinkedIn](#), [Github](#)

PROFILE

Developer / Data Scientist with experience building software for companies and freelance work covering different areas in finance and business, and thirsty for learning new interesting technologies such as LLMs with experienced developers.

I have gained Extensive expertise in leveraging big data analytics platforms, tools, and cloud infrastructure components at a profound technical level and am Proficient in deploying comprehensive monitoring and alerting solutions to ensure the delivery of top-notch, efficient services as well as working collaboratively with an agile team comprising Reports, Process Automation, and IT System, we create intelligent risk solutions based on data analysis.

TECHNICAL TOOLKIT:

- **Machine Learning:** PyTorch, TensorFlow
- **Programming Languages:** Python, R, and SQL
- **Data Engineering:** Pyspark, Hadoop, Kafka
- **Development:** Git, GitHub, Docker, AWS
- **Data Analytics:** Excel, Tableau, SAS

EMPLOYMENT HISTORY

Nov 2023 — Apr 2024

Intern, Erste Bank

Vienna, Austria

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

Aug 2022 — May 2023

Technical Support, Raiffeisen Bank International

Austria, Vienna

- 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

Oct 2017 — Sep 2018

Internship Data Analyst, Big Informatique

Annaba, Algeria

- Helped in Developing a data ingestion process to automate the transfer of data from multiple sources into a single database.
- Hands-on platforms including AWS, Linux
- Created data models and documented data flows to improve system architecture and data quality
- Utilized Tableau to create interactive graphical representations of data

EDUCATION

Oct 2021 — Present

Data Science, Technische Universität Wien

Austria, Vienna

The curriculum builds on a few core foundational subjects, which are expanded upon by selecting at least three of the following four key areas:

- **Fundamentals of Data Science, Machine Learning**
- **Statistics, Visual Analytics**
- **Semantic Technologies**
- **Big Data**
- **High-Performance Computing**

Each key area consists of a mandatory module "Gatekeeper" (core module) and an extension module, from which you can individually select thematically relevant courses.

Oct 2016 — Aug 2019

Computer Science, Badji Mokhtar University

Algeria, Annaba

The curriculum builds on a few core foundational subjects:

- **Introduction to Probability and Descriptive Statistics**
- **object-oriented Programming**
- **Logic & Mathematics**
- **Information and Communication Technology**

CERTIFICATES

2023	Python Object-Oriented Programming	LinkedIn
	Show credential	
2023	Python Data Analysis	NASBA
	Show credential	

PROJECTS

Full python project

- we collected data from various sources using API calls.
- processed and aggregated this data using state-of-the-art libraries including pandas, numpy, sklearn.
- build custom functions to visualize results and interpret the outcome.
- build machine learning models to answer questions of the project.

https://github.com/Ouassim-Kiassa/Full_Python_Project

Session-based recommendation

this project is from RecSys 2022 challenge, the goal here is to find out different approaches to predict session data with the help of sequences of items and the item which was bought at the end of the session.

- analyzed customer data using various data analysis techniques.
- implemented various algorithms including word2vec, Gru4Rec, Tensorflow recommender.
- visualized and interpreted the results of those models.

https://github.com/Ouassim-Kiassa/Session-based_Recommendation

Relation Extraction - NLP

this project is about retrieving information from reviews of different people regarding food, we have a dataset with various reviews and implementing Natural Language Processing techniques to understand the relationship from that review and we try to predict if this food is a cause or threat of some diseases.

- implemented various Neural network models(LSTM, RNN)
- apply multiple techniques to the dataset to boost learning of the model (under-sampling data, bi-grams and tri-grams, labeling works using tags)

https://github.com/Ouassim-Kiassa/Relation_Extraction-NLP

LANGUAGES	English	Highly proficient	French	Working knowledge
SKILLS	Data Analysis	Expert	Machine Learning	Experienced
	Data Visualization	Experienced	Deep Learning	Experienced