



# Kened Kqiraj

## Data Scientist

Highly motivated and passionate Data Scientist with a strong foundation in Data Analysis, Statistical Modeling, Visualization, and Data Engineering. Completed a Master's Degree in Applied Information and Data Science, I am enthusiastic about engineering innovative solutions with data and exploring the potential of Large Language Models (LLMs). Passionate about applying AI and data-driven approaches to solve complex problems, I am actively pursuing full-time opportunities in Data Science.



kened.kqiraj@hotmail.com



076 567 29 85



Zug, Switzerland



kennedkqiraj.github.io/



linkedin.com/in/kened-kqiraj



github.com/kennedkqiraj

## EDUCATION

### Master of Science in Applied Information and Data Science

Lucerne University of Applied Sciences and Arts

02/2024 - 02/2026

Lucerne

#### Courses

- Linear Algebra
- Data Quality
- Generative AI & Advanced GenAI
- DevOps - Git, Docker & Software Engineering in Python

- Applied Machine Learning and Predictive Modelling 1 & 2
- Classical and Bayesian Statistics
- IBM WatsonX GenAI Challenge
- Computational Language Technologies

### Bachelor of Accounting

University of Prishtina

01/2016 - 12/2016

#### Courses

- Investment Analysis and Valuation
- Informatics
- Financial Management and Analysis
- Accounting I & II



## PERSONAL PROJECTS

### MA Thesis (02/2025 - 12/2025)

- Automating Rule Extraction and Interpretation from Free Trade Agreements (FTAs) Using NLP - LLMs / Automation / NLP

### IBM WatsonX Challange (02/2025 - 05/2025)

- Developed an automated system for data categorization and summarization.
- Applied LLMs to extract insights such as trending topics, common themes, sentiment analysis, and areas of disagreement or confusion.
- Used IBM platform services, including Intelligent Document Processing, for semantic analysis.
- Orchestrated automated content workflows in IBM Watsonx Orchestrate by building an agent triggered by new files in Cloud Object Storage, calling Discovery and Watsonx.ai for semantic tagging and summarization, writing results to a database, and updating article metadata.



## SKILLS

Business Intelligence tools (Tableau, Streamlit)

LangChain Azure

Googe Cloud Platform

Machine Learning GenAI

PyTorch cuda



## ACHIEVEMENTS

### Database Management & SQL Engineering

Designed relational schemas and executed optimized SQL queries in MySQL, ensuring data quality and integrity.

### Customer Data Analytics (Banking Data)

Analyzed customer data from a Swiss bank to uncover behavioral patterns and support data-driven insights.

### Generative AI & LLM Automation

Built GenAI solutions using LLMs, RAG, and Flowise to automate email processing and information extraction.

### Machine Learning Modeling

Applied linear models, GAM, GLM, neural networks, and SVMs to predictive modeling tasks on real-world datasets.

### Web Scraping & Data Ingestion

Developed automated data collection pipelines using Python, Selenium, and BeautifulSoup for flight price scraping.

### Healthcare Data Science Analysis

Analyzed geographic disparities in HIV/AIDS diagnoses using statistical and data science methods.



## PERSONAL PROJECTS

### Big Data in the Cloud Block Seminar (09/2025 - 09/2025)

- Built and orchestrated data pipelines using Azure Data Factory to automate data ingestion and transformation workflows.
- Processed large-scale datasets in Azure Databricks using PySpark and SparkSQL for distributed data analysis.
- Designed and queried relational data models using SQL for structured data integration.
- Implemented scalable data storage and access solutions with Azure Blob Storage for unstructured data, and applied cloud-based big data frameworks to deliver end-to-end cloud data engineering solutions.

### Generative AI Application Development (LangChain / Flask) (07/2025 - 07/2025)

- Applied prompt templates, chains, and agents to build flexible and context-aware AI applications using LangChain.
- Evaluated and compared multiple language models to select the most suitable models for specific use cases.
- Developed a Generative AI web application with Flask, integrating structured JSON outputs for reliable AI responses.

### Build RAG Applications IBM (07/2025 - 07/2025)

- Developed a practical understanding of Retrieval-Augmented Generation (RAG) concepts and architectures.
- Applied LlamaIndex for document indexing and retrieval, and compared its usage with LangChain.
- Built RAG applications in Python using LangChain and LlamaIndex.
- Designed user-friendly, interactive interfaces for RAG applications using Gradio.



## WORK EXPERIENCE

### Internship - Data Science

On Holding AG

02/2025 - 02/2026

Zürich

#### Achievements/Tasks

- Automated preferential origin workflows using Python, SQL, BigQuery, and large language models.
- Designed and maintained data ingestion, transformation, and reporting pipelines to support customs and trade compliance processes.
- Integrated solutions within the Google Cloud Platform ecosystem, including BigQuery and Vertex AI, for scalable data processing and model deployment.

### Operations Specialist

The Brain Maze LLC

07/2019 - 02/2024

#### Achievements/Tasks

- Analyzed audience and marketing data to identify patterns, insights, and optimization opportunities.
- Built and optimized data-driven digital marketing campaigns based on analytical insights, improving campaign effectiveness.
- Continuously improved internal workflows through data analysis and process optimization.
- Created financial and performance reports using Tableau dashboards, supporting decision-making and tax reporting.

### Branch Manager

Aurora-Center LLC

12/2018 - 07/2019

#### Achievements/Tasks

- Collaborated closely with software developers to design and maintain a custom client database.
- Led customer acquisition initiatives and expanded existing client relationships using data-driven insights.



## ORGANIZATIONS

Lucerne University of Applied Sciences and Arts (HSLU)  
(02/2024 - 02/2026)

On Holding AG (02/2025 - 02/2026)  
*Data Science Internship*

IBM WatsonX

DeepLearning.AI



## CERTIFICATES

Google Data Analytics Certificate|

Tableau Certificate| | University of California, Davis

R-Bootcamp|

Python for Data Analysis: Pandas & NumPy|

Project Management Foundations, Initiation, and Planning|

Unsupervised Learning, Recommenders, Reinforcement Learning

Advanced Learning Algorithms

Oracle Database Foundations



## LANGUAGES

Albanian

*Native or Bilingual Proficiency*

German

*Professional Working Proficiency*

English

*Native or Bilingual Proficiency*



## INTERESTS

Running

Fitness

Hiking

Reading

Exploring new data, AI, and automation tools

n8n