

NOUR GHRIBI

Data Scientist

nourghribi.github.io

+41 79 585 83 93

SKILLS

Coding:

- **Q** Ecublens, Switzerland
- **Q** Zürich, Switzerland

Technologies:

Data Skills:

Nour.ghribi.ng@gmail.com

- 🖸 github.com/nourGhribi
- in linkedin.com/in/nour-ghribi
- 🔇 Swiss-Tunisian Citizen

Python, Scala, Java, SQL, Bash, HTML.

Excel, MS PowerPoint.

GCP, AWS, Spark, Pandas, NetworkX,

PyTorch, Git, Docker, Linux, MS Office, MS

Business Intelligence, KPI-development,

Cloud-Infrastructure, Analytics.

SUMMARY

Data Scientist with expertise in Natural Language Processing (NLP), LLMs, analytics solutions, and dashboard development, adept at translating complex data into actionable business insights. Fluent in English, and French with some knowledge of German, poised to contribute in a dynamic, multilingual environment effectively.

EDUCATION

02/2020 - 10/2023 M.Sc Data Science, minor Management of Technology and Entrepeneurship

- Engaged in a comprehensive study of Machine Learning, Deep Learning, and Data Analysis. · Participated actively in The Consulting Society in addition to taking some managerial and
- business-oriented courses, enhancing business acumen alongside technical expertise. Extra-curricular activities: The Consulting Society.

09/2015 - 01/2020 B.Sc. Communication Systems

 Focused on Computer Networks and Security, building a robust foundation in system analysis and design.

• Extra-curricular activities: Tunes. **EXPERIENCE**

9/2022 - 3/2023 Data Scientist Intern

- · Spearheaded the creation and enhancement of innovative internal financial tools as part of my master's thesis, refining financial analysis and proposing data pipeline optimizations for actionable insights.
- · Developed visualization tools and dashboards (BI) for financial data analysis, enhancing stakeholder understanding and decision-making.
- Leveraged the power of graph representations to propose a new perspective and innovative angle on financial trade data.
- Provided financial analysis support for the CFO and the company's financial department.
- Presented intermediate results to the stakeholders and non-technical audience regularly. Data Analysis / Graph Theory / Anomaly Detection / Business Intelligence - BI

2/2022 - 8/2022 Data Analyst Intern

- Developed and executed internal tools, facilitating data extraction, consolidation, analysis, and visualization.
- · Managed real-world unstructured text data to derive crucial insights for informed financial decision-making.

Data Engineering / Data Extraction / Regex / Software Engineering / Automation

2/2021 - 12/2022 Founder and Organizer

· Co-founded and managed the African iteration of the prestigious Applied Machine Learning Days by EPFL (AMLD), demonstrating my organizational skills.

Research Assistant 2/2021 - 6/2021

· Aided the Ph.D. and post-doctoral teams of the Distributed Computing Lab on research in federated learning. Python / PyTorch / Research

9/2019 - 1/2020 Teaching Assistant

- Teaching Assistant for the Object Oriented Programming course in Java.
- · Collaborated with the teacher to recognize issues students are facing and recommend solutions. Java / OOP / Teaching
- LANGUAGES

Compagnie Financière Tradition

Compagnie Financière Tradition

Ecole Polytechnique Fédérale de Lausanne

EPFL

EPFL

Ecole Polytechnique Fédérale de Lausanne

Applied Machine Learning Days Africa

CERTIFICATIONS -

PROJECTS deploy Al-powered applications, fueling my passion for transforming industries through the series deploy Al-powered applications, fueling my passion for transforming industries through the series deploy Al-powered applications, fueling my passion for transforming industries through the series deploy and the series dep	ouild anc ah Al
 Leveraged Auto-Regressive models improved by time series data of Google search Analysis Leveraged Auto-Regressive models improved by time series data of Google search trends (<i>Predicting the "Present" with Google Trends</i>) to predict index volatility in financial Concluded the project by presenting the results in a storytelling style on a Data-Story Time Series / Applied Data Analysis / Research Deep Learning: NLP & Reviewed and extensively researched State-Of-the-art Machine Learning models to and combine them in a creative setting. Concluded the project by Implementing a proof of concept on Fashion Data that le Interactive Image Retrieval, Keyword Extraction, and Image Clustering. Multi-Modal Machine Learning / PyTorch / Python Big Data Recommender Systems Engineered a scalable movie recommendation system using collaborative filtering, le Apache Spark and Scala for processing large-scale user rating data. Analyzed and optimized deployment strategies for cost-efficiency and perford demonstrating adeptness in big data solutions and machine learning applications. 	gri Ai.
 Time Series Analysis Leveraged Auto-Regressive models improved by time series data of Google search trends (<i>Predicting the "Present" with Google Trends</i>) to predict index volatility in financial Concluded the project by presenting the results in a storytelling style on a Data-Story Time Series / Applied Data Analysis / Research Deep Learning: NLP & Computer Vision Reviewed and extensively researched State-Of-the-art Machine Learning models to and combine them in a creative setting. Concluded the project by Implementing a proof of concept on Fashion Data that le Interactive Image Retrieval, Keyword Extraction, and Image Clustering. Multi-Modal Machine Learning / PyTorch / Python Big Data Recommender Systems Engineered a scalable movie recommendation system using collaborative filtering, le Apache Spark and Scala for processing large-scale user rating data. Analyzed and optimized deployment strategies for cost-efficiency and perfor demonstrating adeptness in big data solutions and machine learning applications. 	k Volatility
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Deep Learning PyTorch Framework Exploration	
 Delved into deep learning by rebuilding PyTorch's core modules, mastering neural principles and implementation techniques. Constructed and fine-tuned sequential neural networks, focusing on linear layers and a fine-tuned sequential neural networks. 	
 functions. Demonstrated proficiency in complex architectures through the development of Networks for MNIST dataset digit comparison. Deep Learning / Neural Networks / PyTorch / Python 	Siamese
Machine Learning Sentiment Analysis of Tweets	
 & NLP Conducted sentiment analysis on Twitter data using a range of machine learning mod simple linear classifiers to advanced deep learning techniques, enhancing my exp Python and NLP. 	
 Successfully implemented and fine-tuned BERT, a state-of-the-art NLP model, on the Cloud Platform, demonstrating my proficiency in leveraging cloud technologies for machine learning tasks. 	
Deep Learning / NLP / Python / LLM / Google Cloud Platform	
Deep Learning Blockbuster movies recipe	
 ^{&} Data Analysis • Used the TMDB movies data to try to uncover what constitutes a blockbuster movie. engineering, ML models) Deep Learning / XGBoost / Python 	(Feature
Big Data Robust Journey Planner	
 ^{&} Data Analysis Improved SBB-CFF journey planner by considering historical success rates using s modeling Big Data Analysis / Spark / Hadoon / Python 	statistica

Big Data Analysis / Spark / Hadoop / Python