

MEKTOUBI ZAKARIA

+36 20 582 2914 ♦ Budapest, Hungary

mektoubi.zakaria@gmail.com ♦ www.linkedin.com/in/zakaria-mektoubi/

SUMMARY

Data Scientist with two years of experience in solving real-world problems using machine learning models and data-driven solutions in projects related to computer vision and time series forecasting. Experienced in implementing machine learning pipelines that include data collection, data pre-processing, model implementation, training, monitoring, and deployment on the cloud.

EDUCATION

Master of Computer Science for Autonomous Systems, 2020-
Faculty of Informatics, Eötvös Loránd University - Budapest, Hungary.

Master of Data Science, 2018-2020
Faculty of Sciences, Cadi-Ayyad University - Marrakech, Morocco.

Bachelor of Informatics and Decisional Systems Engineering., 2014 - 2018
College of Technology - Berrechid, Morocco

High School Diploma in Mathematical science., 2012 - 2013
Oum-Hani High School - Marrakech, Morocco.

EXPERIENCE

Data Scientist Apr 2022 - Present
Tata Consultancy Services TCS - Becton, Dickinson BD *Budapest, Hungary*

- Develop Machine Learning models for forecasting using **ARIMA**(Autoregressive Integrated Moving Average) and **Prophet** models.
- Develop an **MLOps** framework to automate the ML model training process, and the deployment to production following CI/CD best practices.
- Technologies: Python, Pytorch, Azure ML, Azure DevOps.

Machine Learning Scientist Mars 2020 - Sept 2020
Computer Science Lab - Cady Ayyad University *Marrakech, Morocco*

- Develop a **deep learning** model for **food recognition**, deployed on a mobile application capable of recognizing the type of dish from a single image and providing various information (recipe, nutritional value, and tutorial video).
- Technologies: Python, BeautifulSoup, Pandas, Pytorch, OpenCV, FastAPI, Azure machine learning.

Data Scientist Intern July 2019 - Sept 2019
CIMR *Casablanca - Morocco*

- Implement a data preprocessing pipeline to Extract, Transform, and Load large datasets to Mysql Data warehouse.
- Develop a BI solution to generate daily dynamic reports using PowerBI
- Technologies: Python, SQL, BeautifulSoup, pandas, Flask, Mysql, PowerBI.

Business Intelligence Engineer Intern Apr 2018 - June 2018
Saham Insurance *Casablanca - Morocco*

- Modeling and Developing **ETL workflow** to support and monitor Bancassurance activity.
- Technologies: MS BI(SSIS, SSAS), Power BI.

PROJECTS

- Develop Machine Learning Models for NER(Named Entity Recognition), Topic Classification, and diacritization of Arabic newspaper articles, Deployed as a web service.
Technologies: Farasa, Scikit-Learn, spacy , Beautiful Soup, Regex, FastAPI.

SKILLS

Programming	Python, SQL, C++
ML	Pytorch, Scikit-learn, Keras, TensorFlow
Data Manipulation	Pandas, Geopandas, Pyspark, NumPy, OpenCV, Scipy, Spacy, Nltk
BI	ETL, MS BI, Pentaho DI
Visualization	Tableau, PoweBI
Azure Services	Azure Machine Learning, Azure DevOps, Azure data factory, Azure synapse Analytics.
Others	Docker, Git, Terraform, Airflow, MLflow.

CERTIFICATIONS

- DP-900: Azure Fundamentals.

INTERESTS

Machine Learning
Deep Learning
NLP
Computer Vision
CI/CD
DevOps/MLOps

LANGUAGES

- **English** Fluent
- **French** Fluent
- **Arabic** Native
- **Hungarian** Beginner