



# Khaled YACOUBI

MASTER DEGREE IN DATA SCIENCE · INDUSTRIAL ENGINEER

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**Competence's area:** Data-mining, Statistics, Modeling, Machine Learning, Artificial intelligence, Supply Chain Management, Lean management, Databases, Programming, Big Data, Information system.

## Education

### Central School of Lyon

MASTER 2 IN DATA SCIENCE

Lyon, France

Sep. 2018 - Present

- Big Data, Data Mining, Machine Learning, Probabilistic Graphical Models, Knowledge Extraction and Artificial Learning, Database Systems, Statistics Applied to Engineering Sciences, Computer Networks.

### National Engineering School of Tunisia

ENGINEERING DIPLOMA

Tunis, Tunisia

Sep. 2014 - 2017

- Operational Management, Supply Chain Management, lean Management, Simulation of Industrial Systems, Data Mining, Project Management, Operational Research, Stochastic Process, Control Management, Financial Engineering, Informational System Engineering.

## Professional Experience

### Saint-Gobain

DATA SCIENTIST INTERN

Paris, France

Apr. 2019 - Sep. 2019

- ZIRPRO Sales Forecasting
  - Data preprocessing and features engineering.
  - Development of a recurrent neural network know as LSTM (Long Short Term Memory) to detect the global trend.
- Detection of fraud in financial transactions by an unsupervised approach:
  - Development of two algorithms: Isolation Forest & Local Outlier Factor to isolate atypical data.
  - Verification and validation of results with management controllers.

### Attijari Bank

JUNIOR DATA SCIENTIST

Tunis, Tunisia

Oct. 2017 - Sep. 2018

- Realizing clients' credit modeling and scoring project
- Contribution in the creating of a the first online Bank in Tunisia : Webank
- Redesign of customer segmentation in collaboration with Business & Decision Tunisia using Clusterin algorithm (via K-means).

### Attijari Bank

END OF STUDIES' PROJECT

Tunis, Tunisia

Apr. 2017, Aug. 2017

- Optimization of the "Consumer Credit" process: Adaptation of the Lean Six Sigma approach and evaluation of the benefits by adopting a BPM solution.

### Pharmaserv Alliance SBN

SUPPLY CHAIN MANAGEMENT INTERNSHIP

Kuala Lumpur, Malaysia

Jan. 2017 - Mar. 2017

- Management of picking and packaging operations in a pharmaceutical warehouse and optimization of merchandise transfer time.

### National Agricultural Bank

END OF YEAR'S PROJECT

Tunis, Tunisia

Dec. 2015 - May. 2016

- Analysis of the competitive position of the National Agricultural Bank compared to 10 banks listed on the stock exchange in Tunisia by first carrying out an in-depth financial analysis by exploiting financial indicators and then interpreting them using R software.

## Certificates

Sep 2019 **Deeplearning.ai**, TensorFlow in Practice

Juin 2019 **Deeplearning.ai**, Deep Learning Specialization

Avril 2019 **Udemy**, Deep Learning A-Z™: Hands-On Artificial Neural Networks

Mars 2019 **Udemy**, Machine Learning A-Z : Hands-On Python & R In Data Science

## Extra-curricular activities

2014-2016 **ENIT Junior Enterprise**, Actif member & project manager

Tunis, Tunisia

2004-2010 **Club Africain**, Professional football player

Tunis, Tunisia

## Skills

**Statistics** R, Excel, Weka

**Languages** French (TCF: C1 level), English (TOEIC: score = 860 / 990), German (Basic), Arabic (Native)

**Scripting languages** SQL, PL/SQL, Python, C, C++, Maple, XML

**Modeling languages** UML, Merise, BPM, BPMN, Arena, Simul8, Lingo/Lindo, Cplex

**Big data environments** Hadoop, Spark, SPARQL

**Databases management system** MySQL, Oracle