DR. NADIR SAHLLAL

Machine Learning Engineer

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EXPERIENCE

Software/ML Engineer
ReadPeak Oy

📅 June 2020 – Ongoing   📍 Helsinki, Finland

- Managed the machine learning frameworks and AI capabilities of the ad delivery platform.
- Improved Click Through Rate by over 15% and profitability by 20%.
- Contributed to the front and back end development of the ReadPeak platform.

Machine Learning Engineer
Hurricane Unwinder Oy

📅 July 2019 – May 2020   📍 Helsinki, Finland

- Implemented and tested state of the art machine learning algorithms for accurate hurricane wind speed and landfall predictions.
- Maintained and enhanced user interface for weather prediction software.

Contractual Teacher
Mohammed V University, Faculty of Sciences

📅 September 2017 – July 2019   📍 Rabat, Morocco

- Occupied the position of Head professor for Matlab (40h per semester), and assisted in Algebra, Analysis, Numerical Analysis and Web development.
- Taught 5 classes of 60 students per semester.

EDUCATION

Doctorate in Applied Mathematics and Computer Science
Mohammed V University, Faculty of Sciences

📅 December 2016 – November 2023 📍 Rabat, Morocco

- **Areas of Interest**: Machine Learning, AI, Error Correction theory, Steganography, Cryptography, Information Security, Complexity, Network Coding.
- **Key Publications**:
  + "A Comparative Analysis of Sampling Techniques for Click-Through Rate Prediction in Native Advertising". *IEEE Access*.
  + "Click fraud prediction by stacking algorithm". *Intelligenza Artificiale*.

Thesis Title: Machine Learning Approaches for Imbalanced Data: Click-Through Rate Prediction and Click Fraud Detection

Masters Degree in Codes, Cryptography and Information Security
Mohammed V University, Faculty of Sciences

📅 September 2014 – December 2016 📍 Rabat, Morocco

Thesis Title: Steganography on QR codes

MY LIFE PHILOSOPHY

"Success is no accident. It is hard work, perseverance, learning, studying, sacrifice and most of all, love of what you are doing or learning to do."
–Pele

MOST PROUD OF

Inspired & challenged
thousands different aged students to learn mathematics and see its beauty through session, presentations and real examples.

SKILLS

Python   Machine Learning
Deep Learning   Pytorch
sklearn   AWS   Steganography
Statistical Analysis   CyberSecurity
Cryptography   Javascript
Information Security
Mathematical Modeling   Complexity

LANGUAGES

Arabic   ●●●●●

English   ●●●●○

French   ●●●●○

Finnish   ●○○○○

CERTIFICATES

🏆 **Python**
Michigan University, Coursera, MOOC

🏆 **Neural Networks and Deep Learning**
DeepLearning.ai, Coursera, MOOC