

AYOUB BERDEDDOUC

Data Scientist | PhD Candidate | Python - Django Developer | Cloud Engineer

@ ayoub.berd@gmail.com
https://bit.ly/3oZdU67

+212 679 406 018

Morocco

https://bit.ly/38cP0dw



EXPERIENCE

Data Scientist

AIOX-LABS

Jan 2020 - Dec 2020

Rabat, MA

- Provided a Machine learning-based solution for Customer Services in Banking Group.
- Hands-on experience with D3js & MongoDB for structuring mixed data.
- Delivering & deployment of a Dashboard for Customer Listening.

Data Scientist Intern.

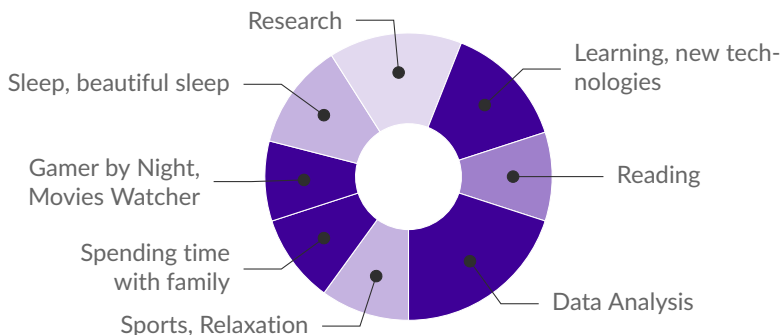
SOFT CENTRE

Apr 2019 - Sep 2019

Casablanca, MA

- Benchmark of open source AI tools (Frameworks / Models /Cloud APIs)
- Acquisition & Preprocessing of massive historical Trip Data set
- Establishment of a Recommendation System for the most relevant Pick-up Points.
- Use & application of Parallel Computation

A DAY OF MY LIFE



RESEARCH PAPERS

Book Chapter

- Berdeddouch, A. et al. (2021). "Recommender System for Most Relevant K Pick-Up Points". In: *Artificial Intelligence and Industrial Applications*, pp. 277-289. ISBN: 978-3-030-51186-9. DOI: 10.1007/978-3-030-51186-9_20.

Conference Proceedings

- Berdeddouch, A. et al. (June 2020). "Deep Based Recommender System For Relevant K Pick-up Points". In: *2020 International Conference on Intelligent Systems and Computer Vision (ISCV)*, pp. 1-7. ISBN: 9781728180410. DOI: 10.1109/ISCV49265.2020.9204065.

LIFE PHILOSOPHY

'Verily with every hardship comes ease'
'If you don't have any shadows, you're not standing in the light'

EDUCATION

PhD. 2. AI & Data Science

University, Degli Studi Della Campania 'Luigi vanvitelli'

Oct 2020 - On-going Naples, Caserta, IT

PhD. AI & Data Science

University, Sidi Mohamed Ben Abdellah

Dec 2019 - On-going Fez, MA

M.Sc. 2. Data and Business Intelligence Exploration

University, Sorbonne Paris Nord (former Paris 13)

Sept 2018 - Jul 2019 Paris, FR

M.Sc. Web Intelligence & Data Science

University, Sidi Mohamed Ben Abdellah

Oct 2017 - Jul 2019 Fez, MA

B.Sc. Mathematical & Computer Science

University, Moulay Ismail

Sept 2010 - Jun 2016 Meknes, MA

MOST PROUD OF

Analytical Thinking

Building Relationship

Quick Learner & Rigorous

SKILLS

Soft Skills

PROJECTS

Loan Approval Web App

Dphi/Boot-camp

📅 Dec 2020 - Jan 2021

Build an ML model and web application that the bank can use to classify if a user can be granted a loan or not.

- High Degree of Accuracy(86%) and confidence for loan approval.
- Ranked 5th & got an Excellence certificate.
- Available at: <http://bit.ly/3rQjBE3>

Amazon's Office Product Hybrid Recommendation System, Capstone

Minnesota University/Coursera

📅 Sep 2020 - Nov 2020

Designing, Measuring, Mixing of Hybrid Recommendation Systems python, , Amazon's Office Product data set.

- Using Algorithms : Content based, user-user, item-item, matrix-factorization, and Person-bias.
- Measuring with RMSE, NDGC, TOP-N, and Precision@N
- For Hybridization using 4 Algorithms : Linear & Non-linear ensemble, Top 1 from each recommendation, and Recommender switching.

Covid-19 Mask Detection

Dphi ML Boot-Camp

📅 Aug 2020 - Sep 2020

CNN based with transfer learning(MobileResNet), Mask Detection, built with Scikit-learn, Tensor-Flow, Open-CV, Python.

- High Degree of Accuracy(96%) and confidence for real-time mask detection.
- Potential application in - Behavioural analysis, real time analysis of person whether are they wearing mask or not

Facial Expression Recognition

Coursera/Deeplearning.AI

📅 Apr 2020 - May 2020

A CNN based Facial Expression Recognition system, built with Scikit-learn, Tensor-Flow, & Open-CV

- High Degree of Accuracy(82%) and confidence for real-time facial expression recognition.
- Potential application in - Behavioural analysis, real time analysis of customer satisfaction in retail settings, automatic photography

ACHIEVEMENTS

- Rank 5th Advanced ML Boot Camp, got an Excellence Certificate

Dphi

📅 Dec 2020 - Jan 2021

- Secured rank of 713th in Open-Vaccine: COVID-19 mRNA Vaccine Degradation Prediction with an MWCRMSE of 0.36106 organized by Stand ford Univ.

Kaggle

📅 Sep 2020 - Oct 2020

Hard-working Persuasive Collaboration
Creative Thinking Active Learner
Communication Problem Solving

Hard Skills

Probability & Statistic Algebra EDA
Data Cleaning, Manipulation, Viz AI/ML/DL

Technical Skills

ML & DL Rec. Systems Computer Vision
Python & R Tensor-Flow & Pytorch
My-SQL & Oracle MongoDB & SQLite
Java & Android Git & Git-lab Flask & Django
GCP & AWS & Azure

LANGUAGES

Arabic
French
English
Italian



TRAINING / COURSES

Machine Learning

Stanford Univ./ Coursera

Deep Learning Spec.

Deeplearning.AI/ Coursera

Recommender Systems Spec.

Minnesota Univ./ Coursera

Advanced Machine Learning & Signal Processing Spec.

IBM/ Coursera

NON PROFIT

Content Translator to French

Dphi

📅 Sep 2020 - Ongoing

Head Of Design

WISD Club

📅 Sep 2017 - Dec 2019