Abir BEN HAJ YOUSSEF
Data Science Engineer

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EXPERIENCES

End-of-studies internship: Development of AutoREIN: a graphical based Machine Learning Pipelines designer web application
Integration Objects • Tunis • Tunisia

April 2020 - August 2020

› A world leader in solutions specializing in artificial intelligence, data analysis, OPC, automation, cybersecurity
› Provide a codeless web editor for the design and execution of Machine Learning Pipelines, and include an intelligent block recommendation subsystem to use at each stage, in order to facilitate the process of choosing algorithms for non-expert users
› Deep Reinforcement Learning, Heuristics, HyperParameter Optimization, Recommandation Systems, AutoML, Flask, PySpark, Python (PyCharm)

Canceled - COVID-19 End-of-studies internship: Contribution to the development of a database to automate the impact analyzes of power cuts and power-up of control-command cabinets
EDF • Flamanville 3 • Normandie • France

March 2020

Business immersion internship: Development of a Smart Data Collector
SFM Technologies • Tunis • Tunisia

June 2019 - August 2019

› An engineering and expertise firm in telecommunications networks and information technologies, operating in 5 continents since 1995
› Collect relevant data of people and products from various websites (commerce sites, social media, forum, blog), and analyze them in order to extract information useful for prediction
› Technologies: Web Scraping, Kafka, MongoDB, Beautiful Soup, Python

Deep Learning Project: Predict the topic of interest of a given user from comments on Tweeter
ENSI • Tunis • Tunisia

February 2019

› Collect user comments on Tweeter and analyze them to predict the subjects of future interest for each of them, in order to recommend the most suitable items to the customers of a website
› Use of ConvLSTM Neural Network

Summer internship: Design and development of TrustBIOMED: a biomedical information retrieval system based on Deep Learning
ENSI's RIADI laboratory • Tunis • Tunisia

June 2018 - August 2018

› One of the most important IT research laboratories in Tunisia which specializes in research in Decision Systems and Intelligent Imaging
› Word Embedding, FastText, LSTM, LearnToRank, Keras, Tensorflow, Python

Text Mining Project: Predict the category, main topics, summary and emotional tone of a Dataset
ENSI • Tunis • Tunisia

April 2018

› Use of Jupyter Notebook (Anaconda) and Python language

NLP Project (Natural Language Processing): Word Embedding to study the semantic validity of a word in a context
ENSI • Tunis • Tunisia

March 2018

› Use of Python language for data in Arabic language

Data Mining Project: Predict the rating of a song (regression model)
ENSI Hackathon • Tunis • Tunisia

February 2018

› Use of Google Colab and Python as programming language

PROFILE

Single
2/9/1996 - 24 years

BIOGRAPHY

As a young graduate from National School of Computer Sciences, experienced in Big Data and Data science, as well as a fan of Artificial Intelligence, I am looking for a stimulating and fast environment to develop my skills and enrich my knowledge in this domain

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EDUCATION

Engineering curriculum   September 2017 – October 2020
ENSI: National School of Computer Science (Artificial Intelligence)   • Manouba • Tunisia

Preparatory cycle   September 2015 - June 2017
Sciences Faculty of Monastir (Physics-Chemistry) (End of 1st cycle diploma)   • Monastir • Tunisia

Baccalaureate   September 2014 - June 2015
Monastir Pioneer High School (Bachelor in Mathematics, Good grade)   • Monastir • Tunisia

SKILLS

Big Data

› Handling of the Cloudera platform (HDFS, Spark, Kafka)
› Practical and theoretical knowledge of Big Data technologies
› Big Data certification provided by Global Engineering Center
› Microsoft Technology Associate certification in
  Introduction to Programming using Python

Programming languages and Databases

› Python, Java, R, C/C++, HTML/CSS, JavaScript, PHP
› MySQl , SQL server , Oracle
› Unix Shell scripting , Linux (Ubuntu, Opensuse, Fedora)
› Sciences Palace of Monastir certification in
  Mobile application development with ANDROID

Artificial Intelligence (Machine and Deep Learning)

› HCIA-AI certification provided by Huawei
› NVIDIA certification in Fundamentals of Deep Learning for Computer Vision
› Coursera certifications: AI For Everyone, The Data Scientist's Toolbox…
› Udemy Certifications: Complete course of SQL Database Programming
› LinkedIn Certifications: Power BI: L'analyse de données avec R, Data Analytics

LANGUAGES

› Arabic   *****
› French   *****
› English: EF SET English Certificate 74/100 (C2 Proficient)   *****
› Spanish   *****

HOBBIES

Community life

› Director of Foreign Affairs at Young Leaders Association
› Member of ENSI Google Developper Group club
› Observatory member at North American Tunisian Engineers Group

Passions

› Follow Artificial Intelligence news
› NeuroLinguistic Programmation
› Team sports, Hiking, Reading, Cooking