Thamer SARAEI

INDUSTRIAL ENGINEERING ENGINEER || DATA SCIENTIST / ML || JUNIOR PYTHON ODOO DEVELOPER

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I am an industrial engineer-Option Finance and passionate about Machine Learning, Data Analysis and Python & R development. I am passionate about data science and its applications. For me the next revolution will be with and by the data.

Thamer Saraei | thamer_Saraei_Py_R | Tunis.I A

Education

From August 2016 to October 2019
Engineer in Industrial Engineering
National School of Engineers of Tunis (ENIT) Tunis, Tunisia
Engineer in Industrial Engineering-Finance

From August 2013 to June 2015
Preparatory Cycle
Sfax Preparatory Engineering Institute Sfax
Preparatory Cycle : Maths Physics: Rank: 181/2400

From September 2012 to June 2013
Bachelor's degree in Mathematics
High School Amra - Sfax Sfax
Obtaining the Baccalaureate Diploma: "**Good**", average: **15.87 / 20**

Work experience

From January 2017 to May 2017
Intern : Data Scientist : Customer segmentation
EURA NOVA Tunisia Tunis, Tunisia
1. Data Cleaning & EDA & Data Visualization
2. Application Data Mining techniques in a problem of customer segmentation within the company EURANOVA
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Keywords: Rstudio, Langauge R, machine learning algorithms (supervised and unsupervised), KMeans, CAH, Kohenen Card, Factor Analysis (ACP AFM)

Since July 2019
Junior Python Odoo Developer
Datcom - Editeur d'ERP Ariana, Tunisia
Junior Python Odoo Developer :
Python
PostgreSql
Jira
Gitlab

From February 2018 to August 2018
Data Scientist Intern: Data Science and Industry 4.0 in machine tolling company
University of Sherbrooke Sherbrooke, Canada
1. Data Cleaning & Exploratory Data Analysis
2. Features Engineering & Data Visualization
3. Construire un modèle prédictif de Machine Learning
4. Développement une Application web : here
Mots Clés : Python&R, Tensorflow, Pandas, Numpy, Industry4.0, Algorithmes ML, Réseaux de Neurones

Contact

24 years old
Tunisian
Single

Travel

Canada For internship

Languages

Arabic
French
English

Interests

Sport: Football
Coding Python and R
Cinema Films & Series

About me

https://www.youracclaim.com/users/thamer-saraei.6eeb9644/badges

CERTIFICATION

1. Certificat **Applied Machine Learning in Python**, from **Université du Michigan-coursera,** Mars 2018
2. Certificat **Machine Learning ,Université Stanford-Coursera** , Janvier 2018
3. Certificat **Spécialisation Deep Learning (5 cours), Deeplearning.ai-Unisversity Stanford,** Avril 2018
4. Certificat **Mathematics for Machine Learning: Linear Algebra by Imperial College London on Coursera,** Juin 2018
5. Certificat **Python for Data Science and AI from IBM-coursera,** August 2019
6. Certificat **Machine Learning With Big Data, from Coursera,** October 2018

Computer skills

COMPÉTENCES ET ACQUIS

Langage programmation: R, Matlab, C, Python (NumPy, Scikit-learn, Pandas,Seaborn, MatPlotLib, OpenCV, TensorFlow, Keras)
Base de données : MySQL, PostgreSQL
WebDev : Css, html, Django,
Format d'échange : Json, XML
Système de contrôle de version : GIT
Méthodes & Outils : UML/ Merise, ERP
Systémes d'exploitation : LINUX(UBUNTU),WINDOWS,
Outils Devops : GitLab, Jira, Ansible

MAJOR PROJECTS

Project 1 : Neural Style Transfer: Creating Art with Deep Learning using PYTHON
Details : Neural Style Transfer (NST) is one of the most fun techniques of Deep Learning: Two images are fused, namely a "content" image (C) and a "style" image (S), to create a "generated" image (G). The generated image G combines the "content" of image C with the "style" of image S.
Environment : Python3.6, TensorFlow, Numpy, MatPlotLib,
Github Code : https://github.com/timotito/Cnn_Ann

Project 2 :Python implementation of a flow shop scheduling algorithm (JACKSON) (N spots on M machines)
Details : Campbell's CDS Heuristic, Dudek and Smith (1970): This method is based on Johnson's rule. It consists in generating m-1 solutions by applying Johnson's algorithm on two fictitious machines. The first groups the first k machines, the second groups the last k, k varies from 1 to m-1.
Environement : Python3, Pandas, Numpy, Tkinter, MatplotLib
Demo : https://www.youtube.com/watch?v=uT9HpjZdi5E
Github Code : https://github.com/timotito/Algo_Cds_Ordanncement

Project 3 : Classifier of plant diseases
Details : Creating an AI Application for Disease Detection in Plants Using Facebook's Deep Learning Platform: PyTorch
Environment : GoogleColab, Gpu, Python, PyTorch, Numpy, Json
Code :
https://colab.research.google.com/drive/1NsRJv32YoOyOuDugPAvU2A6Le9xby-o1#scrollTo=fnaEdkpylH3d

Project 4 : Web Application : Quality Control Cards
Détails : Shiny is an R package that makes it easy to create interactive Web applications from R. Users can simply import the given file and select the desired card. The web application displays this map with a small explanation on it.
Environment : R, Shiny
Demo : https://rahtimor.shinyapps.io/Chart_Control_Online
GitHub Code : https://github.com/timotito/Statistical-Process-Control-Charts

Badges IBM

Applied Data Science Capstone
Issued by: Coursera on: 09 August 2019

The badge earner has demonstrated proficiency in applying Data Science and some Machine Learning concepts including identifying and clearly defining a problem that can be solved using location data, working with and making calls to APIs, and using location data to solve the problem defined. The individual has also demonstrated proficiency in documenting their work and preparing a full formal data science project report.

Skills : Clustering, Data Analysis, Data Science, Data Visualization, Foursquare, Location Data,Machine Learning, Pandas, Python

Applied Data Science Specialist
Issued by: **Coursera** on **August 2019**

This badge earner has demonstrated practical skills required to solve real-world datascience challenges. The earner has developed core skills in Python and can apply these skills to create applications for data science. The learner has a good understanding of data visualization, and can use Python libraries such as Matplotlib and Seaborn to generate different types of data visualizations such as line plots, scatter plots, bubble plots, area plots, histograms, and bar charts.**Skills** : Bokeh, Data Analysis, Data Science, Folium, Foursquare, Geospatial, Jupyter,Matplotlib, Notebook, Numpy, Pandas, Python, SCIPy, Scikit-learn, Seaborn