Ghassen Fodha

Machine learning engineer

Coordonnées

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STUDIES AND CERTIFICATIONS

Studies:

National engineering diploma in computer science specializing in Data Science
[Private Higher School of Engineering and Technology, Ariana – Tunisia]
July 2021

Master in actuarial science, Co-diploma Esprit Le Mans
Sept 2019 – July 2021
Major : Mathematics , Physics

Preparatory School of Engineering Studies –IPEIM , Monastir - Tunisia
Sept 2014 – Aug 2017

National Baccalaureate Major: Mathematics – Honors degree
mixed high school, Mahdia –Tunisia
June 2014

Certifications :

Fundamentals of Deep Learning for Computer Vision introduced by NVIDIA :
https://courses.nvidia.com/certificates/7c7c6b1de40d49d8933390449976c646

Abstract

I am able to provide solutions to problems based on data visualization, machine learning, deep learning techniques ... applied to a large volume of data from various sources (internal and collected). I am comfortable with computers and statistics to do data analysis on various subjects. I am curious, motivated and determined in everything I do which allows me to always ensure a rigorous job.

PRATICAL EXPERIENCE

Sept 2021 – now | Ariana , Tunisia
Head of Deep Learning Module • Teacher Trainer • Esprit

Conducted workshops and seminars for teachers to enhance their classroom management and teaching strategies.
- Developed and implemented professional development programs, including curriculum design and assessment techniques.
- Mentored and coached new teachers, providing valuable guidance and support for their professional growth.
- Evaluated teachers' classroom performance and provided constructive feedback to improve teaching methods.
- As a Teacher Trainer, I managed curriculum development projects, ensuring they were completed on time and within budget. I applied project management principles to design and implement training programs, demonstrating my ability to lead and deliver successful outcomes.

Subjects: Database, Advanced Learning for text and graph data, database management system , fundamentals of deep learning
Coaching: data mining projects for the fourth year engineering cycle classes, supervision of students in their final projects.

Jan 2023 – Apr 2023 | Ariana , Tunisia
Head of Deep Learning Module • Machine Learning engineer • Esprit

Payroll evolution study:
- payroll prediction
- factors driving wage increases

Technologies: Python, Machine Learning algorithms, time series, XGBOOST

Feb 2022 – May 2022 | Ariana , Tunisia

Applications of AI for Anomaly Detection introduced by NVIDIA:
https://learn.next.courses.nvidia.com/certificates/c631a56da75545bf81b49826a48cb4d0

Fundamentals of Accelerated Computing with CUDA C/C introduced by NVIDIA:
https://learn.next.courses.nvidia.com/certificates/17e4ed17b65e46feb2f2f3be4ae71051

Communication techniques introduced by MEDSIRAT training. Training of Trainers introduced by MEDSIRAT training.

Neuro-Linguistic Programming (NLP) introduced by MEDSIRAT training.

Soft Skills introduced by MEDSIRAT training.

Head of Deep Learning Module • Machine Learning engineer • Esprit

Cost monitoring system:
- Understanding and analyzing project Monitoring and Billing data Log analysis to view query information
- Determine relevant KPIs
- Build queries to perform necessary calculations
- Create and feed datasets/tables
- Build a monitoring dashboard with the necessary visualizations with PowerBI
- Study alerting tools and implement the chosen solution
- Implement a user consumption detection model

Technologies: PowerBI , ML models

Jul 2023 – Sep 2023 | Ariana , Tunisia
Machine Learning engineer • Freelance

Brand Classification:
The aim is to classify products according to their correct brand through their descriptions and names. The data is scrapped from websites.

Technologies: Python, Machine Learning algorithms, NLP (natural language processing) , BERT , transformers , Logistic Regression , Tensorflow , Keras

Fev 2021 – July 2021 | Ariana , Tunisia
Data Scientist Intern • Esprit

- Collection and digitization of checks
- Preprocessing of check images by removing unnecessary information such as background, stray pixels, etc.
- Automatic and intelligent localization and extraction of handwritten check information, essentially the numerical amount and the literal amount.
- Recognition of the numerical amount and the literal amount.
- Design of an ICR model to auto-correct bank checks.

Technologies: Python, Django , Tensorflow , Google Colaboratory , deep learning (CNN , RNN) , Computer Vision

Fev 2020 – June 2020 | Ariana , Tunisia
Data Scientist Intern • Esprit

- Bonus-Malus class prediction of each new customer after a detailed study based on actual CGA data.
- Fraud detection for old and new customers.
- Bonus-malus deployment of classification models and fraud detection models.
- Sentiment analysis for car brands.

SKILLS

Artificial Intelligence, Deep Learning, Computer Vision, Machine learning, Data Engineering, Predictive Modeling, Data Visualization, Text Mining, Natural Language Processing Mathematics, Probability, Statistics, Temporal Series, Actuarial Science , Python , R , SQL ,power BI

LANGUAGES

Arabic: Native
French: B2
English: B2
Spanish:A1