MISSAOUI SANA

Business Intelligence Engineer

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# EDUCATION

Present SOFTWARE engineering and ERP-Business Intelligence in ESPRIT ”l’École sup privée d’Ingénieurs de Tunis” EUR-ACE diploma labeled by the CTI - TUNISIA

2020 M1 Master’s Degree in Information Systems Engineering - Faculty of Sciences Monastir TUNISIA 2012 Fundamental Degree in Computer Science - Faculty of Sciences Monastir TUNISIA

2008 Bachelor Scientific degree | Mathematics section at Secondary School of Elayoun - TUNISIA

# PROFESSIONAL EXPERIENCE

September 2021

November 2022

Data Analyst | Implementation of a decision-making solution to analyze all the Business activities of a company , INFO300 , Tunisia-Monastir

 Collecting and drafting functional requirements  Data Warehouse Modeling

 Feeding the Data Warehouse

 Implementation of reports and dashboards

Power BI Desktop Python Notebook

Microsoft SQL-Server ( SSIS SSAS SSRS )

January 2020

August 2020

PFE | Design of a MEAN Stack web application + IA module integration for automatic selection using NLP. , MOBELITE LBS, Tunisia-Monastir.

Python NLP MongoDB Angular12 Node javaScript

Microservices

October 2013

December 2019

Technical Service Assistant, INFO3000 , Tunisia - Monastir.

lead a team of technical consultants. Manage relationships with partners. Guarantee the reliability, perfor- mance and evolution of the information system. Guarantee the integration and technical supervision of projects. Supervise consulting activities..

# PROJECTS

## PROJECT BUSINESS INTELLIGENCE : SMARTDECISION 2021-2022

decision support tool for a dairy company.

Objective : To set up a decision-making solution which makes it possible to analyze and visualize data.

* Formalization of functional and technical specifications detailed.
* Data Warehouse Modeling.
* Feeding the Data Warehouse.
* Generation of external data to enrich databases data with web-scrapping and forms .
* Descriptive, explanatory and predictive analysis of data.
* Implementation of reports ,dashboards and a predictive simulation functionality.
* Realization of a web application that will allow to present all results.



Talend Power BI

PostgreSQL

MySQL-Workbench

Data-Mining

Flask SQLite Excel JupyterNotbook

## PROJECT BIG DATA : HEART FAILURE PREDICTION 2021-2022

People with cardiovascular disease or who are at high cardiovascular risk need early detection and management whe- rein a machine learning model can be of great help. Based on your dataset , we created a program that allow us to predict your heart failure rate , this came after studying and analyzing a wide clinical data sets .

Spark Kafka

Python SQL

Zookeeper

## PROJECT MEANSTACK : MOBIPLAN 2020-2021

MEAN stack web application for team management, Integration IA Model for automatic selection using NLP. .

NodeJS Angular MongoDB Python Scrum CRISP DM NLP

## PROJECT MACHINE LEARNING 2020 - 2021

Apartment Price Prediction.

Machine learning

python

linear regression gradient descent

# SKILLS

Business Intelligence Microsoft SQLServer(SSIS , SSAS , SSRS ), Talend , Power BI , SAP , ABAP Data Analysis Machine Learning , Deep Learning , Data Mining

Big Data Elasticsearch , Kibana , Spark , Hadoop , Cloudera

Programming Python , R , GO , C , C++, C , Java, Typescrip , Javascript, CSS , HTML , PHP , SQL

Data Base Oracle Database , MySQL , Mongodb , PostgreSQL

Development tools JetBrains, Github , Visual Studio Code

Framework , Spring .NET , ANGULAR

Methodology CRISP-DM , SCRUM

Scientific modelling UML, BPMN

Operating systems Windows, Linux, Mac OS X

Others architecture SOA, technologies RFID

# LANGUAGES

Arabic :Native English:B1 French:B2



# ASSOCIATIVE EXPERIENCE

 Active membre -IEEE ESPRIT CS chapter

# CERTIFICATIONS

 SOFT-SKILLS

 Passionate | Motivated  Curious

 Adaptive and flexible  Fast-learner

 Cooperative  Negotiator

 Building Transformer-Based Natural Language Processing Applications |NVIDIA