

# Youssef Ben Farhat

Software Engineering Student majoring in Data Science  
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## WORK EXPERIENCE

### ELYADATA- SOFTWARE DATA ENGINEER INTERN (JUNE 2020 - PRESENT)

-Create an End-to-End machine learning model for arabic text dialect classification.  
-Implement a micro service to serve the trained model and Dockerize it.  
-Create an interactive map to display prediction results.

**Keywords:** NLP, Python, FastAPI, Docker, Angular.

### GENICAL - DATA SCIENTIST (FEB 2021 - MAY 2021)

Creation of an API from scratch based on deep learning that allows to:  
-Create custom facial recognition models in few seconds just by changing the input images.  
-Recognize different persons and detect their facial emotions.

**Keywords:** Computer vision, CNN, OpenCV, Django REST framework, FaceNet, Tensorflow, YOLO.

### ICOMPASS - SUMMER INTERN (JUL 2020 - SEP 2020)

-Extraction of different Part of Speech (POS) syntactic patterns from various Arabic and French files using Python's libraries.  
-Web Scraping according to specific pipelines.

**Keywords:** NLP, Spacy, NLTK, Scrappy.

## PROJECTS

### CONTINUOUS INTEGRATION (APR 2021)

Implementation of a continuous Integration chain for a Spring Boot application.

**Keywords:** SpringBoot, Junit, Log4j, Sonar, Maven, Nexus, Jenkins.

### CUSTOMER CHURN (NOV 2020 - JAN 2021)

Creation of a customers classification model based on machine learning for a telecommunications company in order to predict their behaviors.

**Keywords:** Supervised Learning, Xgboost, Random Forest, SVM, Logistic Regression, Voting, Flask

### INTEGRATED PROJECT (JAN 2020 - JUNE 2020)

Development of a warehouse management application on three technologies Web, Desktop and mobile.

**Keywords:** Java, JavaFX, Symphony, JQuery, Code-nameone, JSON.

## EDUCATION

### 2017 – 2022 **ESPRIT: Private School of Engineering and Technologies**

SOFTWARE ENGINEERING MAJORING  
IN DATA SCIENCE

*Tunis, Tunisia*

### 2017 **Imam Moslem High School**

BACHELOR IN MATHEMATICS

*High honours*

## COMPUTER SKILLS

|                  |   |
|------------------|---|
| PROGRAMMING      | C, C++, Java, Python  |
| FRAMEWORK        | JavaFX, Symphony , Spring Boot, Angular, FastAPI                                |
| DATABASE         | MySQL, PL/SQL, MongoDB  |
| BIG DATA         | Hadoop, Spark   |
| MACHINE LEARNING | Classification, Regression, Deep Learning, Computer Vision, TensorFlow, Sklearn |
| OTHERS           | Docker, Github, UML, Scrum, CRISP-DM, REST API                                  |

## CERTIFICATIONS

- HCIA-AI . Huawei
- Deep Learning Specialization . DeepLearning.AI
- Data Science Math Skills . Duke University
- Machine Learning with Python . IBM

## EXTRA CURRICULAR

**Information Management Manager**  
AIESEC Local Committee Bardo (2020)

**Exchange department member**  
AIESEC Local Committee Bardo (2019)

## LANGUAGE

|         |                            |
|---------|----------------------------|
| ARABIC  | Mother Language            |
| FRENCH  | Advanced                   |
| ENGLISH | Full professional capacity |

## INTERESTS

Handball Camping Travelling Swimming