

# CURRICULUM VITAE

## Mabrouka Bessghaier



Born on 04/04/1993  
From Sfax, Tunisia  
Based in Al-Aziziyah, Qatar

### CONTACT INFORMATION

Tel: (+974) 50 966 101  
E-mail:  
mabrouka.bensghaier@gmail.com

### LANGUAGES

English: Conversational  
French: Advanced  
Arabic: Native

### IT SKILLS

**Programming:** Python, Java, Android, VB.NET, PHP, HTML, C#  
**Databases:** MySQL, SQL Server, Oracle, Access

### PERSONALITY

Patience  
Motivation  
Sense of hearing  
Teamwork

*A programmer graduated with a master's degree in computer science and currently, a Ph.D. student in my final year. During my research activities, I've published a set of scientific papers in the field of Natural Language Processing, and built projects in different languages (e.g., Python, Java, and Android). Also, I have experience in assisting students with their research papers and master's thesis.*

## STUDIES AND DEGREES

- In progress**      **Third year doctoral student:**
- Faculty of economics and management of **Sfax, Tunisia**
  - **Research Laboratory:** MIR@CL
  - **Thesis subject:** An approach based on word embedding and common knowledge for the detection of textual inference in the Arabic language (used Language: Python)
- 2015-2018**      **Master of research** in Information systems and new technologies:
- Faculty of economics and management of **Sfax, Tunisia**
  - **Title:** A semantic method for the recognition of textual inference in the Arabic language
- 2014-2015**      **Bachelor's degree in Computer science,**
- Faculty of Science and Technology of the University of Maine, **Le Mans, France**
- 2012-2015**      **Bachelor's degree in IT management,**
- Faculty of economics and management of **Sfax, Tunisia**
- 2011-2012**      **Baccalaureate in mathematics**
- High school Habib City, Sfax, Tunisia

## SCIENTIFIC PUBLICATIONS

1. Ben-Sghaier, Mabrouka, Wided Bakari, and Mahmoud Neji. "**Classification and Analysis of Arabic Natural Language Inference Systems.**" *Procedia Computer Science* 176 (2020): 551-560.
2. Ben-Sghaier, Mabrouka, Wided Bakari, and Mahmoud Neji. "**Ar-SLoTE: A Recognizing Textual Entailment Tool for Arabic Question/Answering Systems.**" 2019 7th International conference on ICT & Accessibility (ICTA). IEEE, 2019.
3. Ben-Sghaier Mabrouka, Wided Bakari, and Mahmoud Neji. "**Arabic Logic Textual Entailment with Feature Extraction and Combination.**" *International Conference on Intelligent Systems Design and Applications 2018.*
4. Mabrouka Ben-sghaier1 Bakari Wided, and Mahmoud Neji. "**Recognizing Textual Entailment for Arabic using semantic similarity and Word Sense Disambiguation.**" *Language Processing And Knowledge Management International Conference, 2018.*
5. Ben-Sghaier Mabrouka, Wided Bakari, and Mahmoud Neji. "**An Arabic Question-Answering System Combining a Semantic and Logical Representation of Texts.**" *International Conference on Intelligent Systems Design and Applications. Springer, Cham, 2017.*

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## PROFESSIONAL EXPERIENCE

- Since September 2021** Giving online courses, in particular, *Python, machine learning* tools, *Java Language, Arabic, English and French languages for beginners*
- February 2019-30 October 2021** Working as a **co-advisor for master thesis**: Provide scientific assistance in the context of Natural Language Processing at the theoretical and practical level for several students.

## INTERNSHIPS

- 15 September-15 November 2020** **Internship at the L3I laboratory (La Rochelle, France)**, in order to best validate my research work and my doctoral degree and improve my technical and scientific knowledge.
- 05 February - 06 July 2018** **Training of Trainers under supervision of university of Sfax (Tunisia) and university of Cadiz (Spain)**: designing, implementing and delivering, for the benefit of the association Majida Boulila for Modernity, the workshop "Digital culture, protection and emotional management in social intervention". The main objective is to transmit a given training within the project "Gender, Technology and Social Innovation" to a group of students.
- February 2015 - May 2015** **Laboratories Reunited for Care "LRS" - IT Department (Sfax, Tunisia)**, internship for end of studies project: development of an *Android mobile application* and a *Java application* for sales management
- June 2014** **Sangho Syphax Hotel- Accounting Service**, internship about purchases and sales management

## EXTRAS

- **Deep Learning Training certificate**, IIT Training
- **Computer and Internet certificate - level 1**, The Virtual University of Tunis (UVT)
- **Certificate of professional Training in Java**, TECHNOCITY
- **Python Training Certificate**, Club Microsoft Tech Club Fsegs
- **Training certificate in Activation Techniques of Journalism and Radio**, Hmida Arts Vocational Training School
- **Certificate of participation in an intensive training in Communication, Employability and Entrepreneurship, and passing the training to a group of beneficiaries**, Takween project, WeYouth Association
- **Certificate of agent of local revitalization, management of technologies and social innovation, University of Sfax (Tunisia) and University of Cadiz (Spain)**: For having successfully completed the 216-hour training conducted as part of the project "Gender, Technology and Social Innovation".