

# ASMA KHARRAT

Ph.D Student



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## KEY SKILLS

### Programming languages

Python | Java | C++ | C#

### Web

HTML | CSS | PHP

### Frameworks

Hibernate | Symfony

### Web CMS

WordPress | Prestashop

### Metrics

Facebook Analytics | Google Analytics

### Others

CRM | Odoo | Scrum | UML | Canva  
 Photoshop

## LANGUAGES

Arabic

English

French

## PERSONALITY

Leadership Versatility

Volunteering Autonomous

## EDUCATION

- Since 2022 ● **Ph.D Degree: Computer Systems Engineering**  
 Host laboratories: LIRIS-REGIM laboratory  
 National School of Engineers of Sfax (ENIS)  
 National Institute of Applied Sciences of Lyon (INSA-Lyon)
- 2021 ● **Research Ms.Diploma: Enterprise System Engineering(Ms.English)**  
 Higher Institute of Computer Science and Multimedia of Sfax (ISIMS)
- 2017 ● **Senior Technician Diploma of Computer Science Technologies: Development of information systems**  
 Higher Institute of Technological Studies of Sfax (ISET)

## ACADAMIC & WORK EXPERIENCES

- IEEE SMCs Tn-Chapter ● **Web Master & Social Media Manager**  
 Since 03-2023
  - Design and create the website
  - Interven at any time on the site for modifications
  - Create flyers and adds (content creation)
  - Manage Social Media accounts and YouTube channel
  - Write and integrate editorial content, SEO
- LIRIS INSA-Lyon ● **Work-Study Internship**  
 09-2022  
 12-2022
  - Investigate in depth continual learning, challenges and existing methods
  - Perform a comprehensive overview of recent research work
  - Write and submit a journal article
  - Create a deep architecture for handwriting recognition
  - Compare classical models with continual models
- GET ● **Web Master & Social Madia Manager**  
 09-2021  
 05-2022
  - Design, test and manage the website
  - Write and integrate editorial content, SEO, AdWords
  - Interven at any time on the site for modifications
  - Create and track ads performance
  - Organize and manage events to build brand awareness
  - Plan and implement social media and communications campaigns and strategies
- ASM ● **Technician Internship: Web Developer**  
 02-2016  
 06-2016  
 Java | JEE | Java Swing | Maven | Hibernate

## PUBLICATIONS

- IMAVIS2023 ● **Applications of Explainable AI and Continual Learning in Historical Handwritten Digit Recognition: A Literature Review | Q1(Submitted)**  
 Authors: Asma KHARRAT, Fadoua DRIRA and Franck LEBOURGEOIS
- IEEE CW23 ● **Exploring Continual Learning and Self-learning for Historical Digit Recognition | Class B**  
 Oct.2023  
 Authors: Asma KHARRAT, Fadoua DRIRA and Franck LEBOURGEOIS
- IEEE MMSP ● **Towards Digits Recognition Using Continual learning | Class B**  
 Sep.2023  
 Authors: Asma KHARRAT, Fadoua DRIRA and Franck LEBOURGEOIS

## INTERESTS

Calligraphy

Reading: Novels / Magazines / Manga

Sports

Self-Learning: I'm curious and self motivated to learn new skill/Language

IEEE SMC  
Oct.2021

Analyzing the Influence of the Arabic Handwriting Types on a  
Writer Identification | Class B

Authors: Asma KHARRAT, Ilhem KALLEL and Slim KANOUN

## SCIENTIFIC ACTIVITES

**Participation in the 8thworkshop on intelligent Decision Support Systems (iDSS2023)**

held in Faculty of science of Sfax (FSS), on 09-10 Sep 2023

**Data Analytics with R**

held in Faculty of science of Sfax (FSS), on 17-18 Juil 2023

**Participation in the 34thWorkshopon Intelligent Machines: Theory & Applications (WIMTA'34)**

Research Groups in Intelligent Machines Laboratory (REGIM-Lab)

held in Sportissimo, Sfax on 29 Dec 2021

**1stTunisian Forum on Artificial Intelligence AI@tn'2020: ENIS**

Held By REGIM-Lab, on Mars 2020

**Participation in the 5thworkshop on intelligent Decision Support Systems (iDSS2019)**

held in Faculty of science of Sfax (FSS), on 12-13 June 2019

## CERTIFICATES OF COMPLETION

Nvidia  
09-2023

Fundamental of Deep Learning

France Digital  
University  
09-2023

Python: from fundamentals to advanced concepts of the language

The University of Côte d'Azur – Inria

France Digital  
University  
07-2023

Artificial Intelligence... with intelligence!

The University of Côte d'Azur – Inria

Learn to code with Python

The Free University of Brussels (ULB)

## STUDY PROJECT

Since 2022

Thesis Project

Host laboratories: LIRIS-REGIM laboratory

Keywords: Continual Learning, Active Learning, Historical Handwriting Recognition, NLP

2021

Final Master Thesis: Writer Identification Based on Handwritten Texts

Higher Institute of Computer Science and Multimedia of Sfax (ISIMS)

2017

End of Studies Project: payroll management

Higher Institute of Technological Studies of Sfax (ISET)

## MEMBERSHIPS

Since 2018

IEEE Graduate Student Memberships

- IEEE Young Professionals (YP)
- Education Society (ES)
- Computational Intelligence Society (CIS)
- Women in Engineering (WIE)
- Communication Society (CS)

2018-2019

Active Member

Python Tunisia, ISIMS