

PERSONAL INFORMATION

Jihene Tmamna

 Sfax-Tunisia

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 jihen.tmamna@enis.tn

Gender Female | Date of birth 1 September 1993

EDUCATION AND TRAININGS

December 2018 – Present

PH. D. In Computer Systems Engineering

National School of Engineering of Sfax, Tunisia

-Thesis title: Knowledge discovery from IoT data based on deep learning in edge computing

2014 – 2017

Engineering Degree in Computer Science

National School of Engineering of Sfax, Tunisia

2012– 2014

Preparatory Cycle Diploma

Faculty of Sciences of Sfax, Tunisia

2012

Baccalaureate in Experimental sciences

WORK EXPERIENCE

2022 —2023

Part-time Teacher

Faculty of Sciences of Sfax, Tunisia

- TP compilation techniques
- TP operating systems

2021 — 2022

Part-time Teacher

Faculty of Sciences of Sfax, Tunisia

- TP language C
- TP 2CN

Mars 2017 — June 2017

Research Internship

laboratory on Development and Control of Distributed Applications, Sfax, Tunisia

- Conception and implementation of a distributed cloud-based test management platform
- Major Technology: java, JEE, HTML5, CSS3, jQuery, Bootstrap, Hibernate, MySQL, Eclipse, Apache Tomcat

June 2016 – July 2016

Internship

Phosphate Company, Gafsa, Tunisia

- Conception and development of an investment budget management application
- Major Technology: Oracle, PL/SQL

June 2015 – July 2015

Internship

Phosphate Company, Gafsa, Tunisia

-CPG computer network

COMPUTER SKILLS

Programming language	Python, Java, JEE, C, Shell, SQL
Web language	HTML5, CSS3, PHP, JavaScript, Ajax, jQuery, XML
Framework	Pytorch, Tensorflow, DataBase10g, Hibernate

LANGUAGE SKILLS

Mother tongue(s) Arabic

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
French	C2	C2	C2	C2	C2
English	B2	C2	B2	B1	C2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
Common European Framework of Reference (CEF) level

PUBLICATIONS

- Publications** -**Tmamna Jihene**, Emna Ben Ayed, and Mounir Ben Ayed. "Deep learning for internet of things in fog computing: Survey and Open Issues." 2020 5th International Conference on Advanced Technologies for Signal and Image Processing (ATSIP). IEEE, 2020.
- Publications** -**Tmamna Jihene**, Emna Ben Ayed, and Mounir Ben Ayed. "Neural Network Pruning Based on Improved Constrained Particle Swarm Optimization." International Conference on Neural Information Processing. Springer, Cham, 2021.
- Publications** -**Tmamna Jihene**, Emna Ben Ayed, Rahma Fourati, and Mounir Ben Ayed. "An Automatic Vision Transformer Pruning Method Based on Binary Particle Swarm Optimization" In 2023 IEEE Symposium on Computers and Communications (ISCC) (pp. 727-732). IEEE.
- Publications** -**Tmamna Jihene**, Emna Ben Ayed, Mounir Ben Ayed. "Automatic Quantization of Convolutional Neural Networks Based on Enhanced Bare-Bones Particle Swarm Optimization for Chest X-Ray Image Classification". In: International Conference on Computational Collective Intelligence. Cham: Springer Nature Switzerland, 2023. p. 125-137.