

Resume

Personal information :

Name : Ben Abdallah
First name : Fatma
Nationality : Tunisian
Family situation : Divorced, 2 children (2010, 2015)
Date and place of birth : 01/28/1984 in Sfax.
Telephone number : +216 22 87 45 87
Address : 10 Rue Lusaka Rte Soukra Km 4.5
3052 Sfax Tunisia



Email : ben.abdallah.fatma@gmail.com

ben.abdallah.fatma@ieee.org

LinkedIn: www.linkedin.com/in/ben-abdallah-fatma

Google Scholar: <https://scholar.google.com/citations?user=bSMd70YAAAAJ&hl=fr>

DBLP : https://dblp.org/pers/hd/a/Abdallah:Fatma_Ben

ResearchGate : https://www.researchgate.net/profile/Fatma_Abdallah12

University degrees:

- **2006-2010** : Master of Research in Computer Science and Multimedia at the Higher Institute of Computer Science and Multimedia of Sfax ISIMS
 - **Mention** : Very Good
- **2002 - 2006** : Master's degree in management IT and electronic commerce from ISIMS.
 - **Rating** : Good
- **2002 - 2004** : First cycle university degree in Business IT and electronic commerce.
 - **Rating** : Fairly Good.
- **2001 - 2002** : Ibn Rachik Kairouan High School
 - **Section** : mathematics baccalaureate
 - **Rating** : Good.

Jobs held:

Year	Job	Establishment
From February 2022 to Today	Master Technologist	ISET Kélibia
From 2013 to January 2022	Computer Technologist	ISET Kairouan
2020-2021	Part-time assistant (Pro Master)	Higher Institute of Computer Science and Multimedia of Sfax (ISIMS)
2019-2020	Part-time employee (3rd ^{IT} engineering)	National Engineering School of Sfax (ENIS)

2012 to 2013	Head teacher of secondary education	Preparatory College Ouled Haffouz Sidi Bouzid
From 2006 to 2012	Secondary education teacher	Secondary school Ouled Haffouz Sidi Bouzid

SKILLS

- **Programming languages:** PHP, C#, Python, Java, Matlab
- **Web technologies:** HTML5, CSS3, JavaScript, Ajax, JQuery
- **Database :** MySQL, Oracle (10g), ElasticSearch, Neo4j
- **Database language :** SQL, PL/SQL, Cypher
- **Frameworks/CMS :** Angular, Bootstrap, Wordpress
- **Animation:** Toon Boom Storyboard, Animate Studio, Adobe Animate, After Effect
- **Graphic Design :** Illustrator, Photoshop
- **Virtual Reality :** Google VR + Unity
- **Augmented Reality :** Vuforia + Unity
- **2D/3D game :** Unity
- **Project management :** SCRUM, UP
- **Online teaching :** Moodle, Google Classroom, Zoom, Teams, Webex, Plicker, Kahoot
- **Others:** Deep learning, NLP, Computer Vision, Lifelogging

Internships:

Year	Project/Internship	Duration	Place	Framer
2002-2003	Internship as an Internet technician-advisor.	3 months	Tunisian Telemarketing Company, Teleperformance, Ben Arous.	-
2004-2005	Training course and development of a website prototype using Wysiup.	1 month	Carthage Software Company, Ben Arous.	Mr. Imed Hanini.
2006 - 2007	Training course for trainee teachers	6 months	Regional Directorate of Education Sidi Bouzid	Mr. Abdelli Faïçal Mr. Romdhane Jalloul Mr. Gammoudi Sassi

Projects :

Year	Project/Internship	Duration	Place	Framer	Mention
2005-2006	Master's project. Subject: "Heuristic method for adaptive stability of graphs: application to Datamining"	4 months	MIRACL Laboratory , Sfax (Multimedia Information Systems & Advanced Computing Laboratory) .	Mr. Mohamed Tmar	Alright
2007-2010	Master's project. Subject: "Generation of Web interfaces adaptable to contexts and user preferences. »	12 months	, ISIMS , Sfax (Multimedia Information Systems & Advanced Computing Laboratory) .	Ms. Ikram Amous (co- supervisor: Ms. Raoudha Ben Djemaa)	Alright

2023-2025	Thesis project. Subject : " Semantic-based approach for supporting children with ADHD using lifelog Moments Retrieval »	36 months	Regim Lab, ENIS, Sfax (RE search Groups in Intelligent Machines)	Prof. Chokri Ben Amar Dr. Ali Wali Dr. Ghada Feki	In progress
------------------	--	--------------	--	--	-------------

Training acquired:

Year	Training	Duration	Body	Certificate obtained
2006	CAPES	35 hours	Ministry of Education	-
2010	Computer skills (2CI).	30 hours	Ministry of Education Intel	Senior Trainer - 2Ci
2011	English for researchers.	50 hours	Schooling plus training center, Sfax.	English training certificate for researchers.
2013	Preparation for the oral tests of the technologist recruitment competition.	16 hours	Association for Research, Development and Innovation (ARDI) in partnership with ISET Sfax.	Certificate of participation
2017	Pedagogy at the University and teacher training: inventory, teaching practices and avenues for improvement.	3 days	Citizen Education Forum	Certificate of participation
2017	The valuable tools contributing to your research cycle "Discover, Read, Cite, Publish & Get cited"	4 hours	CNUDST & ELsevier	Certificate of participation
2018	Self-discipline	3 hours	Wonder Club IIT & Tunileaders Sfax	Certificate of participation
2018	Write a scientific article in English in an international journal	5 days	MPTC Monastir	Certificate of participation
2019	English for academic purposes	60 hours	Doctoral School Sciences and Technologies	Certificate of attendance
2019	Pedagogy	15 hours	Doctoral School Sciences and Technologies	Certificate of attendance
2019	Training of Trainers (TOT)	20 hours	PSI Consulting	Certificate of participation
2019	Angular 6	30 hours	CSSFI	Training certificate
2020	Bootstrap	12 hours	Pentagon Training	Training certificate
2020	SEO	6 hours	Pentagon Training	Training certificate
2020	Get started with deep learning	8 hours	Openclassroom	Completion badge on site
2021	Learn to learn	6 hours	Openclassroom	Completion badge on site
2021	Get started with Design thinking	6 hours	Openclassroom	Completion badge on site
2021	Management systems for education/training organizations - Requirements of the ISO21001- 2018 standard.	3 hours	Fast Consulting	Certificate of participation
2021	Training of Trainers (TOT) Kolb approach	9 hours	ARSII-Sfax	Certificate of participation

Training provided:

Year	Training	Duration	Audience	Certificate
April 2016 August 2016	Preparation for the technologist competition (Web and Database)	25 hours	Masters, Engineers, Doctoral Students, Doctors, Technologist Assistant	MPTC Monastir
2018	HTML5 Application Development Fundamentals MTA: 98-375	12 hours	ISET students	4C Center
2021	Unity 3D	10 hours	RobotLab	RobotLab
2022	Preparation for the technologist competition (AI, Automation, Web and Database)	24 hours	Masters, Engineers, Doctoral Students, Doctors, Technologist Assistant	MPTC Monastir

Participation Workshops/Forum :

Year	Training	Place	Date	Body
2014	Ubuntu	Higher Institute of Biotechnology of Sfax (ISBS)	February 22-23	SETIT & Tunisian human-machine interaction association of Sfax
2017	Bibliobox & Plickers	Faculty of Medicine of Sfax	April 1	Citizen Education Forum & CANOPE FR
2017	Deep Learning with MATLAB 2017b	Belle Vue Park Hotel, Sousse	December 18	Regim-Lab ENIS
2018	Creation of 2D and 3D games in Unity	Higher Institute of Technological Studies of Kairouan (ISET)	January 8	ISET Kairouan Career and Skills Certification Center (4C)
2019	Workshop on Intelligent Machines	Hotel Royal Thalassa Skanes, Monastir	March 25-27	Research Groups on Intelligent Machines (RegimLab)
2019	Deep Learning INDABAX-Sfax	House of Culture of Sakkiet-Ezzit (Sfax)	June 29	Sfax Digital Research Center (CRNS)
2020	Workshop on Intelligent Machines	Online	December 25-27	Research Groups on Intelligent Machines (RegimLab)
2020	AI@tn'2020 Forum	Online	December 28-30	Research Groups on Intelligent Machines (RegimLab) IEEE

Communications/Scientific articles:

Year	Title	Demonstration	Place	Co-Authors
2008	Generation of Web Interfaces Adaptable to Context and User Preferences	Eighth scientific days for young researchers in Electrical and Computer Engineering (GEI'2008)	Sousse, Tunisia	Ms. Ikram Amous Ms Raoudha Ben Djema Mr. Abdelmajid Ben Hamadou
2009	A new approach for adapting Web application to the context and user's preferences	Second International Conference on Web and Information Technologies (ICWIT'09)	Kerkennah, Tunisia	Ms. Ikram Amous Ms Raoudha Ben Djema Mr. Abdelmajid Ben Hamadou

2010	Experimentation and evaluation of an adaptable web application generator	INFORSID 2010 - XXVIIIth Congress (INFormatics of Organizations and Information and Decision Systems)	Marseille, France	Ms Raoudha Ben Djema Ms. Ikram Amous Mr. Abdelmajid Ben Hamadou
2018	A new model driven architecture for deep learning-based multimodal lifelog retrieval	WSCG'2018, International Conference in Central Europe on Computer Graphics (Class B)	Pilsen, Czech Republic	Mrs. Ghada Feki Mr. Anis Ben Ammar Mr. Chokri Ben Amar
2018	Regim Lab Team at ImageCLEF Lifelog Moment Retrieval Task 2018	Image CLEF 2018, Conference and Labs of the Evaluation Forum	Avignon, France	Ms. Ghada Feki Mr. Mohamed Ezzarka Mr. Anis Ben Ammar Mr. Chokri Ben Amar
2018	Multilevel Deep Learning-based Processing For Lifelog Image Retrieval Enhancement	SMC 2018, IEEE International Conference on Systems, Man, and Cybernetics (Class B)	Miyazaki, Japan	Mrs. Ghada Feki Mr. Anis Ben Ammar Mr. Chokri Ben Amar
2019	Transfer Learning For Improving Lifelog Image Retrieval	CAIP 2019, 18th International Conference on Computer Analysis of Images and Patterns (Class B)	Salerno, Italy	Mrs. Ghada Feki Mr. Anis Ben Ammar Mr. Chokri Ben Amar
2019	Big Data For Lifelog Moments Retrieval Improvement	Image CLEF 2019, Conference and Labs of the Evaluation Forum	Lugano, Switzerland	Mrs. Ghada Feki Mr. Anis Ben Ammar Mr. Chokri Ben Amar
2020	Automatic Approach For Lifelog Moments Retrieval using Transfer Learning and Rule-based Matching	Image CLEF 2020, Conference and Labs of the Evaluation Forum	Thessaloniki, Greece	Ms. Ghada Feki Mr. Chokri Ben Amar

Certifications / Skills badges:

Year	Body	Certificate/Badge obtained
2014	Tunisian Virtual University (UVT)	C2I : Computer and Internet certificate.
2015	Tunisian Virtual University (UVT)	IFEL_C4 : competency badge: produce a teaching-learning situation using ICT
2015	Tunisian Virtual University (UVT)	IFEL_C5 : competency badge: Implement a teaching-learning situation on a techno-pedagogical system
2015	Tunisian Virtual University (UVT)	IFEL_C6 : competency badge: Evaluate learners' achievements
2015	Tunisian Virtual University (UVT)	IFEL_C7 : competency badge: Supervise learners and monitor their projects during training
2016	Tunisian Virtual University (UVT)	IFEL_C1 : competency badge: Use the audiovisual and digital environment to develop training in a more motivating way
2016	Tunisian Virtual University (UVT)	IFEL_C2 : competency badge: Use digital documentary resources (scientific and educational) and process information for research and teaching purposes
2018	Certiport	MTA 98-375 : HTML5 Application Development Fundamentals
2019	Erasmus+ Virtual Exchange / UNICollaboration	TEP : Transnational Erasmus+ Virtual Exchange Projects.
2020	Natural Language Processing in TensorFlow	Coursera/DeepLearning.ai
2021	Introduction to XR: VR, AR, and MR Foundations	Coursera/Unity

2021	Introduction to Augmented Reality and ARCore	Coursera/DayDream
2021	Machine learning: Natural language processing with Python	LinkedIn Learning
2021	Python for data science	LinkedIn Learning

Frames:

- **PFE**

College year	Subject	Partner company
2013-2014	Development of a web application for inventory management	Center for Islamic Studies of Kairouan
	Creation of a website for the sale of computer equipment	Grajasoft (Sfax)
	Development of a mobile application for locating a means of transport	ISET Kairouan
2015-2016	Development of a management application	Ibn Jazzar Kairouan Hospital
	Development of an Android application for managing a class in a private school	GENEXT IT (Sousse)
	Development of a cross-platform application for order management	The Tulip (Kairouan)
2016-2017	Creation of a 3D animated film.	Media Pro (Tunis)
	Management application for improving the operating process of product quality reviews	RunVision SARL (Nabeul)
	Design and creation of a virtual reality application	Microsoft Innovation Center el Ghazela (Ariana)
2017-2018	Design and creation of an online educational platform	Forum training school (Kairouan)
	Design and creation of a training management web application	ISET Kairouan
2018-2019	Creation of a mini CRM for the Sahel suburban unit with J2EE technologies on the server side and Angular Js on the client side	SNCFT
	Design and production of a 3D virtual tour of a clinic	Company C3D Design
	Design and development of an education platform for a private school	CreativeSoftware
2019-2020	Design and production of an augmented reality mobile game to promote the heritage of Carthage	Municipality of Carthage
	Design and production of a mobile game to help people with reading and writing difficulties and learning disabilities	ENVAST
2020-2021	3D modeling of the great mosque of Sousse and virtual reality visit	Sahel regional heritage inspection
	Web application for inventory management and item traceability	Altutex
	Design and creation of an augmented reality application for planning	Imperial Monastir
2021-2022	Design and creation of an online learning mobile application	Bee coders
	Design and production of a virtual reality and augmented reality application for the promotion of Tunisia	TRITUX group
	Design and creation of a web application for the Kélibia tennis club	Kélibia Tennis Club
2022-2023	design and development of an online sales website	IT service

	Delivery Service	Thor sar system
	Digital Register	All Soft Multimedia
	3D video game development and design	Lantern
	Mobile event management application	STE VIBRACOM SRL

• **PFA**

College year	Subject	Company/Institute
2019-2020	Outdoor navigation in augmented reality in ENIS	SMART ENIS
2019-2020	ENISBOT: Holographic Chatbot	SMART ENIS
2020-2021	Web Design (UI/UX)	ADDRESSTI / ISIMS

University education :

College year	Semester	Matter	Level taught	Number of groups	Hourly volume per week		
					THI S	T.D.	TP
2013-2014	S1	Multimedia Indexing and Search Course	MDW(3rd year)	1	1	0.5	-
		Software engineering workshop	DSI (3rd year)	2	-	-	3
		Decision-making information system workshop	DSI (3rd year)	2	-	-	3
	S2	Fundamentals of multimedia course	IT (1st year)	2	1	0.5	-
		Web programming course 2	IT (1st year)	2	1	0.5	-
		Web and multimedia development workshop 2	IT (1st year)	2	-	-	3
2014-2015	S1	Multimedia Indexing and Search Course	MDW(3rd year)	1	1	0.5	-
		Server-side Web Development Workshop	DSI (2nd year)	2	-	-	3
		Client-side framework workshop	DSI (2nd year)	2	-	-	1.5
		multimedia development workshop	IT (1st year)	2	-	-	3
	S2	Web programming course 2	IT (1st year)	2	1	0.5	-
		Web and multimedia development workshop 2	IT (1st year)	2	-	-	3
2015-2016	S1	Webmarketing and digital communication course	MDW(3rd year)	1	1	0.5	-
		Server-Side Web Development Course	MDW(2nd year)	1	1	0.5	-
		Web Programming Course 1	IT (1st year)	1	1	0.5	-
		Client-side framework workshop	DSI (2nd year)	2	-	-	1.5
		Server-side Web Development Workshop	MDW(2nd year)	2	-	-	3
	S2	Fundamentals of multimedia course	IT (1st year)	1	1	0.5	-
		CMS workshop	MDW(2nd year)	2	-	-	1.5
		2D animation workshop	MDW(2nd year)	2	-	-	3

2016-2017	S1	Server-Side Web Development Course	MDW(2nd year) DSI(2nd year)	1 1	1	0.5	-
		Web Programming Course 1	IT (1st year)	2	1	0.5	-
		Dynamic Web Workshop	RSI (2nd year)	1	-	-	1.5
		Server-side Web Development Workshop	MDW(2nd year) DSI(2nd year)	1 1	-	-	3
	S2	Fundamentals of multimedia course	IT (1st year)	1	1	0.5	-
		Web programming course 2	IT (1st year)	1	1	0.5	-
		2D animation workshop	MDW(2nd year)	1	-	-	3
CMS workshop		MDW(2nd year)	1	-	-	3	
2017-2018	S1	Server-side Web Development Workshop	DSI (2nd year)	1	-	-	3
		Web Programming Course 1	IT (1st year)	1	1	0.5	-
		Web and multimedia development workshop	IT (1st year)	2	-	-	3
		C2i	GM (1st year)	2	-	-	1.5
	S2	Fundamentals of multimedia course	IT (1st year)	3	1	0.5	-
		Multimedia Data Processing Course	MDW(2nd year)	1	1	0.5	-
		2D Graphics Programming Course	MDW(2nd year)	1	1	0.5	-
		2D graphics programming workshop	MDW(2nd year)	1	-	-	3
		2D animation workshop	MDW(2nd year)	1	-	-	1.5
		2D graphics programming workshop	MDW(2nd year)	1	-	-	3
2018-2019	S1	Server-side Web Development Workshop	MDW(2nd year)	1	-	-	3
		Virtual and augmented reality courses	MDW(3rd year)	1	1	0.5	-
		Virtual and augmented reality workshop	MDW(3rd year)	1	-	-	3
		3D Programming and Animation Course	MDW(3rd year)	1	1	0.5	-
		3D Multimedia Workshop	MDW(3rd year)	1	-	-	3
	S2	Multimedia Data Processing Course	MDW(2nd year)	1	1	0.5	-
		2D Graphics Programming Course	MDW(2nd year)	1	1	0.5	-
		2D graphics programming workshop	MDW(2nd year)	1	-	-	3
		2D animation workshop	MDW(2nd year)	1	-	-	1.5
		Web programming course 2	IT (1st year)	1	1	0.5	-
2019-2020	S1	Server-side Web Development Workshop	DSI (2nd year)	1	-	-	3
		Virtual and augmented reality courses	MDW(3rd year)	1	1	0.5	-
		Virtual and augmented reality courses	3rd Computer Engineering (ENIS)	1	1	0.5	-
		Virtual and augmented reality workshop	MDW(3rd year)	1	-	-	3
		3D Programming and Animation Course	MDW(3rd year)	1	1	0.5	-
		2D Multimedia Workshop	MDW(2nd year)	1	-	-	1.5
		Client-side framework course	MDW(2nd year)	1	1	0.5	-
		Client-side framework workshop	MDW(2nd year)	1	-	-	1.5
	S2	Client-side framework workshop	DSI (2nd year)	1	-	-	3
		Server-side Web Development Workshop	MDW(2nd year)	1	-	-	3
		Server-Side Web Development	MDW(2nd year)	1	1	0.5	-

		Course					
		2D Graphics Programming Course	MDW(2nd year)	1	1	0.5	-
		2D graphics programming workshop	MDW(2nd year)	1	-	-	1.5
		3D animation tool workshop	MDW(2nd year)	1	-	-	1.5
2020-2021	S1	Server-side Web Development Workshop	DSI (2nd year)	1	-	-	3
		Virtual and augmented reality courses	MDW(3rd year)	1	1	0.5	-
		Virtual and augmented reality workshop	MDW(3rd year)	1	-	-	1.5
		3D Multimedia Programming Workshop	MDW(3rd year)	1	-	-	3
		Unity Certification Preparation Workshop	MDW(3rd year)	1	-	-	1.5
		2D Animation Workshop	MDW(2nd year)	1	-	-	1.5
		CMS workshop (Wordpress)	MDW (2nd year)	1	-	-	1.5
	S2	2D Graphics Programming Course	MDW(2nd year)	1	1	0.5	-
		2D graphics programming workshop	MDW(2nd year)	1	-	-	1.5
		3D animation tool workshop	MDW(2nd year)	1	-	-	1.5
		Web and multimedia development workshop 2	IT (1st year)	2	-	-	3
		Advanced server-side development workshop	DSI (2nd year)	1	-	-	1.5
		Design Thinking course	MDW(2nd year)	1	1	0.5	-
		Virtual reality course	1st year Pro Master (ISIMS)	1	1	0.5	-
2021-2022	S1	Multimedia data processing course	MDW(3rd year)	1	1	0.5	-
		Virtual and augmented reality courses	MDW(3rd year)	1	1	0.5	-
		Virtual and augmented reality workshop	MDW(3rd year)	1	-	-	1.5
		3D Multimedia Programming Workshop	MDW(3rd year)	1	-	-	3
		Unity Certification Preparation Workshop	MDW(3rd year)	1	-	-	1.5
		Web Programming Course 1	IT (1st year)	1	1	0.5	-
		Web and multimedia development workshop	IT (1st year)	2	-	-	3
	S2	2CN	IT (1st year)	4	-	-	1.5
		2D graphics programming workshop	MDW(2nd year)	2	-	-	3
		3D animation tool workshop	MDW(2nd year)	2	-	-	3
		Web programming course 2	IT (1st year)	1	1	0.5	-
2022-2023	S1	3D Multimedia Programming Workshop	MDW(3rd year)	2	-	-	3
		Web Programming Course 1	IT (1st year)	3	3	1.5	-
		Web and multimedia development workshop	IT (1st year)	2	-	-	6
	S2	Web programming course 2	IT (1st year)	1	1	0.5	-

		Web and multimedia development workshop 2	IT (1st year)	2	-	-	6
		2D graphics programming workshop	MDW(2nd year)	2	-	-	3
		3D animation tool workshop	MDW(2nd year)	2	-	-	3
2023-2024	S1	Web Programming Course 1	IT (1st year)	1	1	0.5	-
		Web and multimedia development workshop	IT (1st year)	4	-	-	12

LANGUAGES :

- Arabic: Mother Tongue
- French: Perfectly bilingual (TCF: Oral comprehension: C2 (690), Written comprehension: C1 (599), Written expression: C1 (17), Oral expression C1 (17)).
- English: Read + write + speak.

Awards:

- Best presentation at the Workshop on Intelligent Machines WIMTA'31 organized by the Research Groups on Intelligent Machines RegimLab laboratory (2019).

Travel Grant

- IEEE SMC Student Travel Grant (Miyazaki, Japan, 2018).

Organization of scientific/educational days:

- Member of the steering committee for the IMTEC 2014 days (ISET Meeting Technology) at ISET in Kairouan.
- Organizer and member of the steering committee of the BoosterPFE 2019 days at ISET in Kairouan.
- Organizer and member of the steering committee of the "Freelance Day" at the Sfax digital research center during the JAS'20 day of ARSII-Sfax.
- Member of the organizing committee for TOT training at the Order of Tunisian Engineers of Sfax 2021 (ARSII-Sfax).

Busy administrative task

- Member of the internship and PFE committee at ISET in Kairouan (2015/2016 & 2016/2017 & 2018/2019).
- Head of the Multimedia and Web Development (MDW) course at ISET Kairouan since 2018.
- 4C Communication and Networking Manager ISET KAIROUAN (2019).
- Member of the scientific council at ISET Kairouan since December 2020.

Setting up projects

- Member of the assembly committee of the MPWIN distance professional master's accreditation project "Web-Cloud applications engineering" (MPWIN 2018).

Community life :

- Since January 2020: Branding Manager at ARSII-SFAX.

Center of interest :

- Reading
- Hiking
- Journey
- Psychology (HP, HPE, Asperger, Cognitive Behavioral Therapy)
- Personal development (NLP, quantum physics)
- Meditation (mindfulness)
- Music (Jazz, Pop)
- Cinema (science fiction, animated film)