



Motaz SAAD

WORK EXPERIENCE

1 AUG 2024 – CURRENT Lecce, Italy

UNIVERSITY RESEARCH ASSISTANT UNIVERSITY OF SALENTO

- Conduct Scientific Research
- Extract KPIs from non-financial reports using LLMs
- Teach courses (NLP and Big Data)

1 SEP 2015 – 31 JUL 2024 Gaza, Autonomous Palestinian Territories

LECTURER AND RESEARCHER THE ISLAMIC UNIVERSITY OF GAZA

- Taught several graduate and postgraduate courses in various topics including deep learning, natural language processing NLP, artificial intelligence AI, machine translation, data science, python programming for environmental applications, web security, computer networks, database management systems, operating systems, artificial intelligence, python programming, Java programming, object-oriented programming, data science, software engineering, software project management.
- Supervised 10 master students and published 31 articles in the field.
- Collaborated on two Erasmus Plus projects with European universities (Vrije Universiteit Brussel, IHE Delft Institute for Water Education, University of L'Aquila, Universidad Católica San Antonio de Murcia) to build a digital library for Palestine and to create an eMaster Program.

Business or Sector Education | **Department** Faculty of Information Technology | **Email** fit@iugaza.edu.ps |

Website www.iugaza.edu.ps

3 JAN 2021 – 29 FEB 2024 Valencia, Spain

DATA SCIENTIST AND NLP ENGINEER UNITED NATIONS INTERNATIONAL COMPUTING CENTRE (UNICC)

- Mentored junior Data Scientists, and university students from (NYU, Universitat Politècnica de València, University of Salento) working on PoC projects within the academic collaboration partnership.
- Worked closely with "Products' Owners" for setting up use-cases priorities and project budget.
- Collaborated with Technology teams using Agile methodology to design, build, test, deploy, maintain, and enhance technology solutions and models.
- Interacted with both Data Engineers and business owners to satisfy the use-case requirements.
- Followed and embraces best practices when it comes to methodologies, standards, and processes.
- Built, tuned and deployed predictive models for extracting business insights.
- Built Dashboards using Power BI (PBI).

Business or Sector Information and communication | **Department** Data & Analytics Unit | **Website** <https://www.unicc.org/>

1 SEP 2020 – 30 JUN 2021 Bethlehem, Autonomous Palestinian Territories

SENIOR LECTURER PALESTINE AHLIYA UNIVERSITY

Taught master courses including Python and AI

1 JUL 2019 – 2 FEB 2020 Gaza, Autonomous Palestinian Territories

DATA SCIENCE CONSULTANT, TRAINER AND COACH INTERNATIONAL TRADE CENTRE ITC

- Delivered a 5-months Data Science training materials
- Trained/coached trainees.

1 FEB 2017 – 11 DEC 2019 Amman, Jordan

DATA SCIENTIST AND SPEECH RECOGNITION EXPERT MEDIA OBSERVER ME

Developed Arabic news transcription system (speech to text (STT)) using CMU Sphinx and Kaldi.

1 JUN 2019 – 30 JUL 2019 Gaza, Autonomous Palestinian Territories

INSTRUCTOR UNIVERSITY OF PALESTINE

- Developed an action plan for conducting 50-hour data science training sessions
- Conducted technical assessment for trainees

3 JAN 2018 – 30 MAR 2019 Sydney , Australia

QUALITY ASSURANCE AND NLP ENGINEER APPEN

- Served as Quality Assurance (QA) Specialist for the Arabic grammar development project within Microsoft Writing Assistance (WA) using Scrum methodology.
- Reviewed grammar specifications, created test sets, generated grammar performance metrics, and wrote bug reports.
- Performed Lexical analysis, reviewed Thesaurus, and conducted linguistic research.

2 OCT 2016 – 30 MAY 2017 Washington DC, United States

DATA SCIENTIST AND NLP ENGINEER IDISCOVERY SOLUTIONS

- Developed Languages Identification system
- Developed Speech to Text Web Service

3 NOV 2011 – 30 MAR 2015 Nancy , France

PHD RESEARCHER INRIA

Thesis's title: Mining Documents and Sentiments in Cross-lingual Context

Supervisors: Kamel Smaili and David Langlois

The thesis is about studying comparable corpora. In my work, I studied Arabic, English and French comparable articles in terms of opinions and emotions. My current research interests are computational linguistics and NLP. My experiences include conducting scientific research and university teaching.

Main PhD thesis contributions:

- Collected and aligned Arabic, English and French comparable documents from Wikipedia and Euronews.
- Developed a method to automatically align comparable documents.
- Developed an algorithm to annotate cross-lingual comparable texts with sentiment labels.
- Built statistical language models of opinionated texts.
- Developed an algorithm to compare the agreement of opinions and emotions in comparable documents.
- Create Arabic Dialects parallel corpus.
- Built Statistical Language models.
- Developed an algorithm to retrieve cross-lingual information (English, French, and Arabic)
- Published 7 research papers in well-known conferences and journals

1 SEP 2007 – 30 OCT 2011 Gaza, Autonomous Palestinian Territories

LECTURER AND TEACHING ASSISTANT THE ISLAMIC UNIVERSITY OF GAZA

- Taught theory courses (Intelligent Business Systems, e-Commerce, Operating Systems, Computer Organization)
- Taught lab courses (Expert Systems – CLIPS, Data Mining, Intelligent Business Systems, Operating Systems, Assembly Programming, Software Engineering, Software Projects Management, Web Services, Parallel Programming, Introduction to Computer Science)
- Supervised student's projects.

EDUCATION AND TRAINING

3 NOV 2011 – 20 JAN 2015 Nancy, France

PHD IN COMPUTER SCIENCE University of Lorraine

Website <https://www.univ-lorraine.fr/>

1 SEP 2007 – 19 OCT 2010 Gaza, Autonomous Palestinian Territories

MSC IN COMPUTER ENGINEERING The Islamic University of Gaza

10 FEB 2002 – 12 MAR 2006 Gaza, Autonomous Palestinian Territories

BSC IN COMPUTER SCIENCE The Islamic University of Gaza

● LANGUAGE SKILLS

Mother tongue(s): **ARABIC**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

Artificial Intelligence | Machine Learning | Natural Language Processing | Pandas | Python | Azure | AWS | Linux | GCP | Scikit-Learn | ML Ops | Data Science | Numpy | Git | NLP | AI | ML | AI governance | Generative AI | Data Visualization | Power BI | Data Analytics | Large Language Models | LLMs | Transformers | Prompt Engineering | ELT | ETL | Docker | SQL | Feature Extraction | Tensorflow | Scrum | Agile

ElObour, Egypt, _22/11/2024_