



Mohamed Gresha Mahdi Mustafa

**Assistant Lecturer
Computer Science**

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Web of Science Researcher ID: [ABC-9080-2021](#)

Personal Info

Nationality: Egyptian

Date of Birth: 26/6/1994

Military service: Final Exemption

Marital Status: Single

Religion: Muslim

Education Info

University: Zagazig University

Faculty: Faculty of Computers and Information

Scientific Degree: Master of Computers and Information in Computer Sciences

Graduation date: September 2021

Title of thesis: Improving Pattern Recognition Methods Using Intelligent Techniques

- I just finished the Pre-PHD study (August 2022) and registered a research point for the PHD thesis on Developing Artificial Intelligence and Computer Vision.
- I'm also one of the researchers on the research project team in the Central Metallurgical R & D Institute. The project title is "Application of artificial intelligence and big data analysis for better utilization of industrial minerals in Egypt". The duration of this project is 3 years.

University: Zagazig University

Faculty: Faculty of Computers and Information

Scientific Degree: Bachelor of Computer Science

Grade: Very Good

Percentage: 77.345%

Graduation date: May, 2016

Project: E-Learning Website

Project Grade: Excellent

Project Description: - It aims to make communication between students and doctors as simple as possible so that students can learn and download materials that doctors upload at any time and from any location. Students can ask any question in the course after college day on the discussion page, and doctors or other students can answer it.

Personal skills

Self-Motivation	■■■■■■■■■■■
Ability to learn new technical skills	■■■■■■■■■■■
Work under pressure	■■■■■■■■■■■
Decision making	■■■■■■■■■■■
Highly Communications skills	■■■■■■■■■■■
Highly Presentation skills	■■■■■■■■■■■

Language

Native Language: Arabic
Second Language: English

The subjects taught

- Teaching most of computer science under graduated courses
- ✓ Introduction Of Computers
 - ✓ Structured Programming
 - ✓ Software Packages
 - ✓ Discrete Mathematics

- ✓ Decision Support System
- ✓ Logic Programming
- ✓ Data Structure
- ✓ Operating System
- ✓ Object Oriented Programming
- ✓ And other courses

Research interests

- ARTIFICIAL INTELLIGENCE
- MACHINE LEARNING
- DATA SCIENCE
- DEEP LEARNING
- Neural Networks
- Big Data analytics

Technical skills

Operating systems

- Windows (10, 8.1, 8, 7, XP)
- Linux (Ubuntu)

Java Programming Language

- J2SE
- Java EE (Servlet, Jsp and JSF)

Web Design

- HTML 5
- CSS3

Microsoft office

- Word
- PowerPoint
- Excel

Application Servers and IDE's

- Apache Tomcat7
- Glassfish 4.0
- NetBeans IDE, Eclipse IDE

Database

- MySQL
- The basics of PL/SQL
- PHP My Admin

Modeling Technologies

- ER Diagram
- Data flow Diagram

Web Development

- Java EE
- The basics of PHP Laravel

The basics of C++ Programming language

The full C# Programming language

The full Python Programming language

The basics of Prolog

Experience

- ❖ From October 2016 to September 2017, I worked at the Higher Institute of Computer and Management Information Systems as a **Teaching Assistant**.
- ❖ From October 2018 to January 2022, I'm working at New Cairo Academy (NCA), A High institute of Computer Science and Information System as a **Teaching Assistant**.
- ❖ From January 2022 to Now, I'm working at New Cairo Academy (NCA), A High institute of Computer Science and Information System (CIS) as an **Assistant Lecture**.
- ❖ From August 2023 to Now, I'm working at IT Academy as an **Instructor**.
- ❖ From August 2023 to Now, I'm working at Professional training as an **Instructor**.

Training

❖ **Summer Training on Faculty of computer and information. (Aug 2014)**

- The training focused on developing Java applications using the Java Enterprise Edition frameworks.
- I used the Java Server Faces Framework in my training.
- The focus of the training was on creating MYSQL and PLSQL queries.
- NetBeans, Workbench, and Code Blocks were used to complete this train.

❖ **Summer Training on Faculty of agriculture - Zagazig University. (Aug 2015)**

- The time allotted for learning how to construct applications with the C# framework has been extended.
- Implementing, controlling, and maintaining these applications with the most up-to-date technologies.

Future works

- ❖ **I will develop my skills in software development and other special skills in teaching and Programming.**
- ❖ **I'm studying hard in my PHD and predict finishing in 2024.**

Peer Reviews

- ❖ **“An Automatic Partitioning based Entity Matching Scheme for Bibliographic Databases” (November 2020) ‘[IEEE Access](#)**
- ❖ **“An Adaptive CNNs Image Classification Based on Dual Cross-Entropy for Discriminative Model” (November 2020) ‘[IEEE Access](#)**
- ❖ **“ASML: Algorithm-Agnostic Architecture for Scalable Machine Learning” (January 2021) ‘[IEEE Access](#)**
- ❖ **“Identification of Untrained Class Data using Neuron Clusters” (November 2021) ‘[IEEE Access](#)**
- ❖ **“Distributed clustering algorithm for adaptive pandemic control” (November 2021) ‘[IEEE Access](#)**

My publications

- ❖ Mahdy, Mohamed G., Ahmed R. Abas, and Tarek M. Mahmoud. "Multi-phase Adaptive Competitive Learning Neural Network for Clustering Big Datasets." In The International Conference on Artificial Intelligence and Computer Vision, pp. 731-741. Springer, Cham, 2021. (**IF: 0.63**)
- ❖ Abas, Ahmed R., Mohamed G. Mahdy, and Tarek M. Mahmoud. "Adaptive Landmark-based Spectral Clustering for Big Datasets." IEEE Access (2021). (**SJR: 0.59, IF: 3.745**)

Certification

- Data Science and Big Data Analytics (2016).
- IEEE Certificate of Reviewer Recognition (2019).
- HCIA-Big Data V3.5 Course (2023).

Interests

- Searching on the internet for the new technologies
- Sports
- Reading

References & Certifications will be submitted upon request!