

# CV

## **Hossam Mahmoud Moftah**

### **Contact Information**

**Address:** Fayoum- Egypt.

**Mobile :** (002) 01090442434

**Email1 :** hossamm@gmail.com

**Institutional Email:** : hossam.moftah@fcis.bsu.edu.eg

**Orcid:** <https://orcid.org/0000-0001-8925-9841>

**Scopus Account URL:** <https://www.scopus.com/authid/detail.uri?authorId=36960052100>

**Google scholar URL:** <https://scholar.google.com/citations?user=YRf5lk0AAAAJ&hl=en>

### **Personal Information**

- Nationality : Egyptian
- Date of Birth : 14 June1977
- Place of Birth : Fayoum- Egypt
- Marital status : Married.

### **Degree and Qualifications**

<b>PhD</b>	<b>Faculty &amp; University</b>	Faculty of Computers and Information , Cairo University
	<b>Year</b>	2013
	<b>Thesis Title</b>	Bio-Medical Image Analysis
<b>M.Sc.</b>	<b>Faculty &amp; University</b>	Faculty of Computers and Information , Cairo University
	<b>Year</b>	2006
	<b>Thesis Title</b>	Improving Change Detection Capability using Fuzzy Logic for Remote Sensing Images
<b>B.Sc.</b>	<b>Faculty &amp; University</b>	Faculty of Computers and Information , Cairo University
	<b>Year</b>	2001

### **Graduate Project**

**Title :** Optical Character Recognition and text to speech.

### **Professional Experiences**

### **Current Work**

Head of multimedia department at Faculty of Computers and Artificial Intelligence – Beni-Suef University

Coordinator of the Medical Informatics Program at Beni-Suef University's Faculty of Computers and Artificial Intelligence.

Associate Professor at Faculty of Computers and Artificial Intelligence – Beni-Suef University

### **Experiences**

Associate Professor at Faculty of Computer Science – Computer science department – ANAHDA University

Assistant Professor at Faculty of Computers and Artificial Intelligence – Beni\_Suef University

Assistant Professor at Faculty of Computers and Information – Fayoum University – (part time)

Assistant Professor at Canadian International College (CIC) – (part time)

Lecturer at Faculty of Computers and Information – Beni Suef University

Lecturer at Madina Academy.

Lecturer at Modern Science and Arts University (MSA), Faculty of Computer Science

Lecturer at Arab Academy for Science, Technology and Maritime Transport – (part time)

IT Manager in International Organization for Migration **IOM**.

Information Technology Consultant and Instructor in The Central Lab for Agricultural Expert System (CLAES) - Ministry of Agriculture.

Information System Developer in an integrated project between Egypt and Italy through (The Emigration Sector and International Organization for Migration **IOM**)

E-Learning and Multimedia Programmer in El-Rwad Company for Educational Technology.

Programmer and Instructor in Delta Software Organization.

### **Current Research Project**

I am a member of a project from the College of Computer Science and Engineering, University of Jeddah, Jeddah, Kingdom of Saudi Arabia. The project includes members from the Egyptian side and the Saudi side, and work is still underway to produce a joint research. We have done a submission for the research and are awaiting the result of acceptance.

### **Training:**

- **Introduction to VB.Net** course (Microsoft Partner)
- **ASP.Net** course (Microsoft Partner)
- **ADO.Net** course (Microsoft Partner)
- **Web Security** course (Microsoft Partner)
- **Technical writing** course (Microsoft Partner)
- Training Course on Migration statistics in Lisbon-Portugal (ADETEF/MEDSTAT II Project - European Union)
- Training Course on Administration and Management (6 sigma Method)
- English courses in British council
- **Designing OLAP** course (Microsoft Partner)
- **DTS** course (Microsoft Partner) used to redevelop business intelligence project for th emigration sector

### **Area of Expertise**

Artificial Intelligence, Cyper security, Digital Image and Signal Processing, Computer Networks, Network Security, Algorithm Design and Analysis, Data Structures, Multimedia, Computational Intelligence, Image Analysis, Artificial Neural Networks, Pattern Recognition, Object orienting programming, Web Programming, and Data Warehouse and OLAP.

### **Strength**

- Formal training and Education in Computer Science, Information Technology and Information System.
- Background and Preparation suitable for undertaking multi-disciplinary research projects and providing effective guides
- Excellent Experience in leadership and Supervision in Emigration and Egyptians abroad Sector

Apply to research in different areas such as, Multimedia, Medical Image Analysis, Bioinformatics, Networks, Artificial Intelligent, Image processing , and Neural Networks , and Data Mining, Data warehouse

### **Courses**

- Security
- Artificial Intelligence
- Image Processing
- Algorithm Design and Analysis
- Operating systems
- Data structures
- Object Oriented Programming
- Graphics
- Pattern Recognition
- Fuzzy Logic
- Software Engineering
- Network Security
- Multimedia
- Computer Networks

- Neural Networks
- System analysis and design
- Database
- Data ware house
- Data Mining

## Technical Experiences

Due to my technical experience in Data Warehouse and OLAP, Computer Science and Artificial Intelligence, Image Processing , Neural Network, Object Oriented Programming, I will be able to offer the following consulting services:

- **Programming languages:** C,C++, Visual basic , SQL, Matlab, Java, python.
- **Web Technologies:** Html, VB.net,C#, ASP.net ,Java script,VB script.
- **Analysis tools:** SQL Server Analysis Service (to build OLAP Projects)
- **Database and database management systems:** SQL server.

## Publications:

### Peer Reviewed Journal Publications

- **Hossam M. Moftah, et.al.** "Adaptive K-Means Clustering Algorithm for MR Breast Image Segmentation", Neural Computing and Applications (Springer), 2013  
(Q1- Artificial Intelligence in 2022)
- **Hossam M. Moftah, et.al.** MRI Breast cancer diagnosis approach using adaptive Ant-based segmentation and Multilayer Perceptron NN classifier. Applied Soft Computing Journal, Elsevier, 2013  
(Q1- Software in 2022)
- M. E. ElAraby, **Hossam M. Moftah**, Sherihan M. Abuelenin, M. Z. Rashad, et.al. Elastic Web Crawler Service-Oriented Architecture Over Cloud Computing, “Arabian Journal for Science and Engineering”, Volume 43, Issue 12, pp 8111–8126, 2018, Springer.  
(Q1- Multidisciplinary in 2022)
- M. E. ElAraby, Sherihan M. Abuelenin, **Hossam M. Moftah** , M. Z. Rashad, et.al. A new architecture for improving focused crawling using deep neural network, Journal of Intelligent & Fuzzy Systems xx (20xx) x–xx DOI:10.3233/JIFS-182683, 2019, IOS Press .  
(Q2- Engineering in 2022)
- Amal Fouad, **Hossam M Moftah**, Hesham A Hefny,Brain Diagnoses Detection Using Whale Optimization Algorithm Based on Ensemble Learning Classifier, International Journal of Intelligent Engineering and Systems , DOI: 10.22266/ijies2020.0430.05., April 2020.  
(Q3- Computer science in 2022)
- **Hossam M. Moftah, et.al.**, Improving Change Detection Capability using Fuzzy Logic for Remote Sensing Images, Fourth International Conference **INFOS2006**.
- **Hossam M. Moftah, et.al.**, Improving Change Detection Capability using Fuzzy Logic for Remote Sensing Images, National Authority for Remote Sensing and Space Sciences (**NARSS**) Journal.

- **Hossam M. Moftah**, et.al. "Depth-based human activity recognition: a comparative perspective study on feature extraction," In Future Computing and Informatics Journal. Elsevier International Publishing, <https://doi.org/10.1016/j.fcij.2017.11.002>, 2017, Elsevier.
- **Hossam M. Moftah**, et.al. "Simultaneous ranking and selection of keystroke dynamics features through a novel multi-objective binary bat algorithm," Future Computing and Informatics Journal, 2018, Elsevier.
- M. E. ElAraby, **Hossam M. Moftah**, Sherihan M. Abuelenin, M. Z. Rashad, et.al. Web Crawler Architecture over Cloud Computing compared with Grid Computing, "Mansoura Journal for Computer and Information Sciences MU", 2019.
- **Hossam M Moftah**, Taha M Mohamed, A novel fuzzy bat based ambulance detection and traffic counting approach, Journal of Cybersecurity and Information Management, 2021.
- We have submitted a research paper in IEEE Access Journal and are waiting for the acceptance result.
- There are 3 research papers ready for submission. Submission will be done for them in the coming days, God willing.

### Peer Reviewed International Conference Publications

- **Hossam M. Moftah**, et.al Graph Partitioning based Automatic Segmentation Approach for CT Scan Liver Images, IEEE Federated Conference on Computer Science and Information Systems, 9-12 Sept., Wroclaw, Poland, pp. 205–208, 2012.
- **Hossam M. Moftah**, et. al. Evaluating the Effects of K-means Clustering Approach on Medical Images. he IEEE International Conference on Intelligent Systems Design and Applications (ISDA) Kochi, India. Nov. 27-29 2012, pp. 455 - 459
- **Hossam M. Moftah**, et. al. Volume Identification and Estimation of MRI Brain Tumor. The IEEE International Conference on Hybrid Intelligent Systems (HIS2012). Pune. India. 4-7 Dec. 2012, pp. 120 – 124
- **Hossam M. Moftah**, et.al. 3D Brain Tumor Segmentation Scheme Using K-Mean Clustering and Connected Component Labeling Algorithms, The 10th IEEE international conference in Intelligent Design and Application (ISDA2010) 29 November – 1 December 2010, Cairo Egypt
- **Hossam M. Moftah**, Performance Evaluation of Computed Tomography Liver Image Segmentation Approaches. The IEEE International Conference on Hybrid Intelligent Systems (HIS2012). Pune. India. 4-7 Dec. 2012, pp. 109 – 114
- **Hossam M. Moftah**, et.al Mammary gland spontaneous fibroadenoma tumors detection in cats using adaptive ant colony optimization. The 2nd IEEE Asian Conference on Pattern Recognition (ACPR2013), November 5-8, 2013, Okinawa, Japan.
- **Hossam M. Moftah**, et.al. "Real-time Framework for Human Action Recognition," the 8th ACM International Conference on Biomedical Engineering and Technology, Bali, Indonesia, 2018.

- Mohamed Arafa Ali, Mohamed Rabie Ewis, Gamal Eid Mohamed,, Heba Hamdy Ali , , **Hossam M. Moftah** ,“Arabic Sign Language Recognition (ArSL) Approach Using Support Vector Machine,” 27<sup>th</sup> International Conference on Computer Theory and Applications (ICCTA), Alexandria, 2017.
- Heba Hamdy Ali, **Hossam M. Moftah**, and Aliaa A. A.Youssif, “Statistical HOG on Multi-temporal Depth Motion Maps Approach for Human Action Recognition”, Interacción '19 Proceedings of the ACM International Conference on Human Computer Interaction Article No. 37, Donostia, Gipuzkoa, Spain 2019.

### **Selected Projects:**

#### **- International Projects :**

- Developing E-Learning Projects for primary and preparatory school courses.
- Developing the Data ware house and OLAP system during the Integrated project (**IMIS**)between Egypt and Italy through (The Emigration Sector and International Organization for Migration **IOM**)
- Developing the Integrated project (**IMIS**) between Egypt and Italy through (The Emigration Sector and International Organization for Migration **IOM**) using ASP and ASP.net.
- Developing the web site of General Organization of Veterinary Services.
- Developing Project for preventing the illegal migration
- Developing Delta AlMohaseb system for accounting in Delta Software Organization using Delphi.
- Developing Alakarar System in Delta Software Organization using Delphi.
- Developing human resource system to United Nations Department of safety and Security – Egypt using ASP.net
- Developing the web site of General Organization of Veterinary Services

#### **Job Awards:**

The web site of the Emigration and Egyptians Abroad Sector (Ministry of Manpower and Emigration) ranks second in the competition of promoting the provision of governmental

**Note:** Additional information regarding the professional work experience and PhD certificates will be finished upon request.