

Moatasem Mahmoud Aly Elshourbagy

Personal Data:

Address: Villa 268, Narges 6, 5th Settlement, New Cairo.

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Mobile number: +20 01224030859, +20 01061122407

Nationality: Egyptian **Date of Birth:** 6/8/1978

Marital Status: Married

Language:

Arabic: Native **English:** Excellent

Academic credentials:

Phd. In Computer Engineering from Computer Engineering Department, Faculty of Engineering, Cairo University 2016.

Thesis title: A New Feature Representation For Better Accuracy of Human Activity Recognition

Msc. In Communication and Electronics Computer section 2007.

Thesis title: Image processing for classification of cancer cells

Bsc. In Communication and Electronics - Computer section Faculty of Engineering, Helwan University, 2001

Grade: Very Good, Rank: (Fourth)

Project Arabic Assembler [program to compile Arabic assembly language into an executable file, can be used in programming microprocessors and microcontrollers.

Professional jobs and experiences:

Lecturer in Egyptian Chinese University – Faculty of Engineering and Technology

Department :Software Engineering and Technology

From: May 2021 **To:** Till Now

Job description: Teach Lectures of the following Courses

- Engineering Computation
- Computer Programming
- Internet Programming
- Software Maintenance and Evolution
- Software Formal Specifications
- Image Processing and Computer Vision
- Machine Vision

Lecturer Elshrouk Academy – (Computer Engineering)

From: May 2019 **To:** 2020

Job description: Teach Lectures of the following Courses

- Object Oriented System Analysis and Design
- Operating Systems
- Object Oriented System Analysis and Design
- Data structures and Algorithms
- Image Processing and Computer Vision
- Computer Architecture

Lecturer in the Faculty of Engineering, Helwan University, Mattaria.

From: May 2016 **To:** 2019

Job description: Teach Lectures of the following Courses

- Artificial Intelligence
- Image Processing and Computer Vision
- Internet and Multimedia Technology
- Operating Systems
- Software Engineering and System Analysis.
- Object Oriented System Analysis and Design
- Data Base
- Computer Networks and Security
- Digital Logic Design 1 and 2
- Computer Organization
- Introduction to Computer (Computer Hardware and Computer Software)
- Computer Programming 1 and 2 (OOP)
- Computer Applications and Programing

Assistant lecturer and researcher in the Faculty of Engineering, Helwan University, Mattaria.

From: February 2008 **To:** April 2016

Job description:

- Teach Information Technology.
- Teach Introduction to computer (Computer hardware and computer software)
- Teach computer Programming using programming language like (C#, Java, C++, Visual Basic, Visual C, Matlab, etc.).

Teaching Assistant and researcher in the Faculty of Engineering, Helwan University, Mattaria.

From: October 2001 **To:** January 2008

Job description:

- Teach Information Technology.
- Teach Introduction to computer (Computer hardware and computer software)
- Teach computer Programming using programming language like (C#, Java, C++, Visual Basic, Visual C, Matlab, etc.).
- Teach Mathematics courses Algebra, Integration, Differentiation, Analytic geometry, Numerical Analysis.

Published papers:

- Enhanced bag of words using multilevel k-means for human activity recognition, M. Elshourbagy, E. Hemayed, M. Fayek, Egyptian Informatics Journal, Available online 18 April 2016.
- A Fast Algorithm for Segmentation of Microscopic Cell Images, M. El Shourbagy, M.ElAdawy, Z. Shehab, H. Keshk, Information & Communications Technology, 2006. ICICT '06. ITI 4th International Conference.
- Shape Recognition Using V4 Dominant Conical Meshes, M M Farghal, H AMA, M M El-Shourbagy, A Y Sayed. Engineering Research Journal 167, 1-14. 2020
- Automatic Classification Algorithm for Diffused Liver Diseases Based on Ultrasound Images, AG Mabrouk, A Hamdy, HM Abdelaal, AG Elkattan, MM Elshourbagy, IEEE Access . 2021

Research Interests:

- Computer vision
- Face Emotion Recognition
- Deep Learning
- Human Activity Recognition
- Image Processing
- Medical image processing
- Machine learning and its wide range of applications.

Certificates and Training:

International Certificates and Training:

- HCIA-AI -Training
- HCNE Huawei-3Com Certified Network Engineer
- A+ Comptia Certified (Hardware / Operating System)

Other Training:

- Android Mobile application development
- Machine Learning (Udacity)

Computer Experiences and Programming Language:

Python, C/C++, Java, Visual Basic, Tensorflow, Keras, Matlab, Java Script, Mobile applications for Android using android studio and JAVA, Access Database, SQL Data Base.

Network Security, Matlab principals for engineers, Neural Networks, Genetic Algorithm, Artificial Intelligence, CNN.

Image Processing and Computer Vision: Image enhancement, segmentation, and compression, object recognition.