

MOHAMED MAHMOUD

Faculty of Computers & Information, Assiut University, Assiut, Egypt, 71516

mohamedabokhalil@aun.edu.eg | http://www.aun.edu.eg/membercv.php?M_ID=6640

EDUCATION

- **Pre-master studies** 2019-2020
Information technology Department,
Faculty of computer and information, Assiut university, Assiut, Egypt.
- **B.Sc. in Information technology** 2012-2016
Information technology Department,
Faculty of computer and information, Assiut university, Assiut, Egypt.

GPA

Very good with honors, Completed with a 83.07%.

Graduation Project

Image Based Product Recognition System: A product recognition system to classify products using only captured images in order to overcome the problems of the barcode system.

Role: developer & team leader.

Technologies: Image classification using Mat Labe.

EXPERIENCE

- **Teaching Assistant** 2017-present
Faculty of Computers and Information, IT Department, Assiut University, Egypt.

Courses

- Web programming: (Html, Css, JavaScript, Php and MySql).
- IT Fundamental
- Programing Fundamental: (C++ and python).
- Digital Circuits
- Introduction to Multimedia System: (OpenCV, MCI)
- System Analysis and Design
- Enterprise Architecture

Research Interests

- **Network Security**
- **Machin Learning**
- **Internet of things (IoT)**

Projects

- **9- Student Affairs System:** 2019
 - Client Server project (postgraduate).
- **8- Reordering Image:** 2019
 - Neural Network project Reordering Image Blocks Using Autoencoder Keras (postgraduate).
- **7- Image Based Product Recognition System:** 2016
 - A product recognition system to classify products using only captured images in order to overcome the problems of the barcode system (Graduation Project).
- **6- Image classification:** 2016
 - Computer vision project to classifying objects (undergraduate).
- **5- E-Commerce:** 2016
 - A web site for online marketing (undergraduate).
- **4- media player:** 2015
 - Program play Audio and video (undergraduate).
- **3- White House:** 2015
 - A 3D modeling project using Autodesk 3Ds Max (undergraduate).
- **2- Egyptian parliament System:** 2014
 - A Desktop application that manage all operation inside parliament (undergraduate).
- **1- Complex number operation:** 2013
 - An OOP project doing main operations on complex numbers (undergraduate).

Certificates

- **Programming for Everybody:** 2020
 - an online non-credit Specialization authorized by University of Michigan, Coursera.
 - **5 Courses:-**
 1. Getting Started with Python.
 2. Python Data Structures.
 3. Using Python to Access Web Data.
 4. Using Databases with Python.
 5. Retrieving, Processing, and Visualizing.
- **CCNA Routing and Switching: Connecting Networks:** 2019
 - Cisco Networking Academy (CAPMAS), Egypt.
- **CCNA Routing and Switching: Scaling Networks:** 2019
 - Cisco Networking Academy (CAPMAS), Egypt.
- **CCNA Routing and Switching: Routing and Switching Essentials:** 2019
 - Cisco Networking Academy (CAPMAS), Egypt.
- **CCNA Routing and Switching: Introduction to Networks:** 2019
 - Cisco Networking Academy (CAPMAS), Egypt.

Memberships

- **Member of ACM-Assiut student chapter** 2014-2015

Technical Skills

- **Operating Systems:**
 - Windows platforms.
- **Programming language:**
 - C, C++, C#, java, and Python.
- **Web:**
 - HTML, CSS, JavaScript, PHP, MySql, and MySqli.
- **Computer Graphics:**
 - OpenGL, 3D modeling (using Autodesk 3Ds Max).
- **Image and video Processing:**
 - Matlab, OpenCV, Image editing(using adobe Photoshop), and video editing and compositing(using Adobe Premiere, and windows movie maker).
- **Database Management System:**
 - Microsoft Sql Server, and MySQL Database.
- **Tools:**
 - Microsoft Visual Studio, NetBeans, Matlab, anaconda, and Jupyter Notebook.
- **Language:**
 - English, and Arabic(Mother language).

Referees

[1] Prof. Khaled Fathy Hussein Saleh,

- Vice Dean for Education and Student Affairs, Faculty of Computers and Information, Assiut University,
- Head, Department of Multimedia, Faculty of Computers and Information, Assiut University,
- Acting Head of Department, Department of Computer Science , Faculty of Computers and Information, Assiut University,
- Professor, , , Assiut University.
- **Contacts:** khussain@aun.edu.eg

[2] Dr. Islam Ali Taj-Eddin Fathalla Taj-Eddin,

- Director of Quality Assurance Unit, Faculty of Computers and Information, Assiut University,
- Lecturer, Information Technology Department, Faculty of Computers and Information, Assiut University.
- **Contacts:** itajeddin@aun.edu.eg