

# Curriculum Vitae

## PERSONAL INFORMATION

**Name** Ayman Mohamed Mohamed Abed El-diem  
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**Nationality** Egyptian

**Marital Status** Married

**Birth Date** 22 October 1976

**LinkedIn** <https://www.linkedin.com/in/ayman-mohamed-3b401024/>

**Current Opportunity** System analysis, Software Developer Assistant Research –CCICRES  
 PhD stage at Information system Dep. Faculty of computers & Info.

**Skills** Knowledge Engineer, System Analysis, software developer [design and implementation of web applications] using (C#, ASP.Net, ADO.Net, Entity Framework, Web Services, Service oriented architecture SOA, MySQL, SQL Server, Bootstrap). Good understanding of Expert Systems, Decision Support System Web services, OOP, Database Design, Software Engineering, UML, E-commerce, BI, Data Warehousing, Data Mining Concepts, and Software Quality Assurance.



## EDUCATION

**2018 - Now** **PHD Stage of Information System Dep.**

**Helwan University, Egypt**

college of computer and information science

**2015** **Master**

**Master in "A Proposed Service Oriented Approach for Decision Support Systems"**

**Helwan University, Egypt**

college of computer and information science

**2008** **Diploma**

**Helwan University, Egypt**

college of computer and information science

**Diploma in information technology department**

**Degree : very good**

**1999** **BSc**

**Zagazig University, Egypt**

college of science

**BSc in Statistics, Operation Research and Scientific Computing department**

**Degree : good**

## TRAINING

- Training course "supporting decision making within the framework of Information Technology" Sep 2019 at CCICREES.
- Advanced Training course on Sql Server, C#, VB desktop and web application to some researcher to help them on doing their software that depends on their domain experiences (2013-2015).
- Training Courses to researchers how extracted knowledge, how doing analyses at these knowledge to be ready for building the expert system in any domain in CLAES.
- Trainer at The Arab Organization for Agricultural Development (AOAD) [11-15/9/2011, 25-29/8/2013 <http://www.aoad.org/news-2-sep-2013-2.htm>] and building agricultural expert systems workshop 29-30/4/2013
- Training an Expert system courses at 11-15/9/2011 (how extracted knowledge, analyses knowledge to be ready for building the expert system) in AOAD Arabic organization for agricultural development.



([http://www.khobara.org/expert\\_systems](http://www.khobara.org/expert_systems)).

- Training researchers and students in the Faculties of Agriculture on how to build an expert system using the tools developed by us (2009-2012).
- Train of Trainers TOT as Training researchers in research centers and agricultural engineers to use expert systems programs to train extension workers and large farmers in using technology ARC (2005-2008).
- Training on using Word, Excel, and Access for agricultural extension workers to prepare reports and recording data to be used by researchers (2005-2007).
- Training agricultural extension workers on using the computers and accessing the Internet, and how to setup software as Windows and Office programs on project VERCON (CLAES 2002-2005).

## ACADEMIC TEACHING

From 9-2008 To:5-2009

**Place:** Higher Institute for Agricultural Cooperation (HIAC) in Shubra Al – Khaimah

**Division:** Agricultural Information Systems

**Opportunity:** Teaching Assistant



- Practical teaching on the basics of databases and introduction of computer to the first year
- Practical teaching on expert systems and design in flash for the fourth year.

## PUBLICATIONS

- Ayman Mohamed, Dr. Maryam Hazman, Prof. Dr Sayed AbdelGaber, Prof Dr. Mona Nasr, "Intelligent Approach to Mitigate Effects of Climate Change and Insects on Crops", *IJCSIS*, P 75-79, March 2020
  - A.Nada, M.Nasr, M.Salah, "Service Oriented Approach for Decision Support Systems" 7th IEEE Joint International Information Technology and Artificial Intelligence Conference (ITAIC), pp. 409-413, Dec.2014, Chongqin, China.
  - A. Nada, M. Nasr, and M. Hazman, "Irrigation Expert System for Trees", *International Journal of Engineering and Innovative Technology (IJEIT)*, vol. 3, no. 8, pp. 170-175, Feb.2014.
- Google scholar cv <https://scholar.google.com/eg/citations?user=4OvPc2UAAA&hl=en>

## WORK EXPERIENCE

From:1/2019

To :now

**Place:** Climate change information center, renewable Energy & Expert System CCICRES

**Opportunity :** Senior Software Developer, Assistant Researcher



- Design, development and testing of new features in the applications, Responsible for regular communication with others involved in the development process, Implement, test, and bug-fix functionality, Responsibility for design and implementation of software projects using C#, Participate as a team member in fully agile Scrum deliveries, Provide support to end users, Design, build, and maintain efficient and reliable C# code.
- .NET 4.0, Visual Studio 2012 and Visual Studio 2017, ADO.NET, MS SQL, VB, CSS, bootstrap, Entity Frame Work, JavaScript, HTML5, CSS3, MVC and android studio(mobile application).

**Projects:** ARC, mobile apps.

From: 8-2017

To :3-2018

**Place:** T Tech For Software and Security Solution

**Opportunity :** Software Developer

- SharePoint and ERP System, stores, sales, purchase, Point Of Sale using C#, SQL Server, java script, Crystal Reports and DevExpress.
- Crystal reports using SAP Crystal Reports.



From:7-2015

To :12/2018

**Place:** central laboratory for agricultural expert system CLAES

**Opportunity :** Senior .Net Developer, Assistant Researcher

**Department :**knowledge acquisition and building expert system



C# Developer Engineer, unit testing and system quality control, Skilled at working with web services of SOAP, JSON and XML, Create database models to represent complex business entities and relationship, Writing project proposals and technical reports, Participate to the entire development

cycle (analysis, design, estimation, development, testing and deployment), Agile methodology  
**Projects:** Hortisun Information System as co-operate between FAO organization and CLAES  
<http://www.hortisun.org>, Information System NARIMS <http://www.Arc.sci.eg>.

**From:** 1-9-2008

**To :** 7-2015

**Place:** central laboratory for agricultural expert system **CLAES**

**Opportunity :** Research Assistant

**Department :** knowledge acquisition and building expert system



- Develops poultry intelligent and interacting online system web site for using (C#, Asp and asp.net ,Ajax , SQL server ) <http://www.govs.gov.eg/poultrycare>
- Sheep & Goat Clinical online Expert System using vb.net, xml, asp.net <http://www.claes.sci.eg/Sheep>
- Develops web site for Sheep and goat project that contains Intelligent Feeding system to reduce feeding cost to flock, other system for fattening system and marketing system (Cooperate ICARDA organization and CLAES) using (C#, Asp and asp.net ,Ajax , SQL server ) <http://esonline.claes.sci.eg/> .
- Developing interacting web application Expert system on cotton expert system <http://es.claes.sci.eg/cotton/>
- Developing web forms Potato Expert system using VB.net, Xml, vbscript and Ajax <http://es.claes.sci.eg/potato/default.aspx> .

**From:** 1-1-2005

**To :** 1-5-2006

**Place:** central laboratory for agricultural expert system **CLAES**

**Opportunity :** programmer and web developer



- Developing grapes and Mango Expert System program using Prolog and visual basic
- Developing regional wheat expert system agricultural web site as interact of CLAES and ICARDA organization using (Html, Asp and Xml) path <http://es.claes.sci.eg/wheates>
- Training the expert in many countries participate in ICARDA organization" morocco, Tunisia, Iran, Syria, sudden and Egypt".

## PERSONAL SKILLS AND COMPETENCE

- Able to work in a startup fast paced environment.
- Insatiable curiosity to solve clients' business problems.
- Understanding the Open Source model.
- Have Communication, Presentation skills (verbal and written).
- Good in problem Solving and analytical thinking, hardworking.
- Good in interpersonal skills, assertive and open to new ideas.
- Able to work as a team player.
- Can work on extended hours and under pressure.
- Flexible, willing to work on rotating shifts.
- Self-motivated, smart, assertive and equipped with good communication skills.
- Speaking fluently English.
- Business, Marketing, IT, Manufacturing, and Management knowledge.
- Dynamic, self-motivated, detailed oriented, and organized.

## LANGUAGE

**MOTHER TONGUE :** ARABIC

**Other Languages :** English French

Reading skills: Excellent Good

Writing skills Excellent Good