

# Curriculum Vitae

## Personal Information

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## Career Objective

Working in a field where I can utilize and develop my information system knowledge, interpersonal skills and contribute to the organization's success as well as my own career development.

## Current Academic Position

Teaching Assistant at Faculty of Computers and Information, Mina University.

## Education:

### (Postgraduate) Preliminary PHD

**October 2017 (ongoing):** PHD degree of computer science, Faculty of Computers and Information, Computer Science Department, Mina University.

### (Postgraduate) Master in Computer Science

- **Year:** August 2017.
- **University:** Cairo University.
- **Faculty:** Faculty of Computers & Information.
- **Title:** Cloud Security Using Hybrid Techniques.

**Abstract:** The Cloud Computing paradigm is a new technology invented to help business companies and internet users to save their data in a huge space of unlimited storage, shared applications and services, instead of doing these tasks on local servers in their companies and on their PC. Cloud users face many challenges when they use storage services in the cloud, some of these challenges are how can the user know the actual physical location for his data, since most cloud users don't know the cloud service provider (CSP) and this necessity arise from the fact that some malware or malicious activities can destroy users data or alter them in way without their permission. The Content auditing, become an important issue which provides data integrity that periodically checks for data correction. This thesis proposed a content auditing model for checking the integrity of cloud user's data by using Keyed hashing algorithms and provides trust in the cloud service provider (CSP), then how to recover these data if they have been corrupted or destroyed, user data can be programs, flat files, database files, web pages, etc. It is very important nowadays to check the integrity of user's data in the cloud since this era depends heavily on open computing and communications. Also, the thesis proposes a model for saving cloud users privacy and how this content auditing model provide dynamic data operations to provide such privacy feature, the data analysis resulted from our research showed that our model provides efficient and secure auditing techniques. The proposed auditing model provides powerful data integrity by using a secret key which is usually called message authentication code (MAC). The MAC Method depends on two

communicating parties that have the same secret key to ensure valid data transmission between cloud user and cloud service provider.

## **Publications**

1. R. Emad El-Dein, B. Youssef, and S. ElGamal, "Content Auditing in the Cloud Environment", CiiT International Journal of Data Mining and Knowledge Engineering, Vol. 8, No. 10, pp. 311:317, November - December 2016.
2. R. Emad El-Dein, B. Youssef, and S. ElGamal, "Cloud Malware and Malware Detection Survey", CiiT International Journal of Data Mining and Knowledge Engineering, Vol. 9, No. 3, pp. 56:61, March 2017.

## **(Postgraduate) Preliminary Master**

- **Year:** 2010.
- **University:** Cairo University.
- **Faculty:** Faculty of Computers & Information.
- **Evaluation:** Very Good.

## **(Postgraduate) Preliminary Master Courses**

- **Advanced Algorithms.**
- **Computation Theory.**
- **Bioinformatics.**
- **High Performance Computing.**
- **Research Methods and Skills.**
- **Artificial Intelligence.**

## **(Undergraduate) BSc. Of Computer Science**

**(JUN 2009): Bachelor Degree of Computer Science,**  
**Faculty of Computers and Information, Minia University,**  
**Accumulated Grade: Excellent with honor degree 86.52%.**

## **(Undergraduate) Graduation Project**

**Project Name:** GIS Web Site.

**Description:** system will be client/server based which it can be accessed through LAN or Internet using a web browser to allow multi-access for users from different places, as we are now in the area of electronic revolution and the increasing spread of GIS technology, we are moving towards a digitized world. If you stopped for a while to see the differences between now and five years ago, you will find people using GPS Navigation Systems in their cars, locating their desired places, finding the best paths, searching for a specific service, and a lot of other applications that support our fast rhythm life. We can notice that the public and the business partners both can benefit from this revolution. As they will be able to get there daily needs faster, easier and more accurately than they will do if they choose the traditional ways. So, dreaming of a fully digitized world based community is not very hard to be true as we are already experiencing a lot of applications that are moving to be not only digitized but also available from any location using internet services. One of the recent fields emerging lately in Egypt is the "Geographic Information System" field. This field contains a lot of application that serves to aid users in their daily life and make it easier for them to deal with maps and geographical information than depending on paper maps. We will discover GIS concepts later in the upcoming sections, so let us focus now on the main functionality of our project and the tools used in its development. Web based GIS allows building positive relations between users,

citizens, businesses, investors and tourists. GIS embedded into the authorities' web page promotes building positive relations with the public via sharing the data in the form of an easily navigated map displaying data relevant to the user.

**Graduation Project evaluation: Excellent with 96%.**

#### **Used Tools:**

- **SQL Server 2008 Enterprise (T-SQL programming, Geo-Database).**
- **Visual Studio 2010 Ultimate using C# language for programming and WPF for designing and building forums.**
- **Aspmap Tool for implementing the GIS operations on the map.**

#### **Languages**

**Arabic:** Mother tongue.

**English:** Good written and spoken language.

#### **Training Workshops**

**(2006-2007): HTML application in creating websites, Faculty of Computer Science and Information System, Minia University.**

**(2008-2009): C# programming language and SQL server application on bank automated systems.**

#### **Courses**

**(2011) MIS Programming Diploma, (130 hours – 3 months)**

##### **Diploma Contents:**

- ✓ **Management Information Systems Analysis bases.**
- ✓ **Database Developer Skills with SQL Server 2008 Enterprise**
- ✓ **C# bases – and MIS programming skills.**
- ✓ **.NET Framework 4.0 Web Based programming skills (ASP.NET and some bases of AJAX – Using VS 2010 Ultimate).**

##### **Programming Skills in the diploma:**

- ✓ **SQL Server 2008 Enterprise (T-SQL programming)**
- ✓ **C# (Windows & Web based programming) – (using Visual Studio 2010 Ultimate)**
- ✓ **ASP.NET (.NET Framework 4.0).**
- ✓ **AJAX (bases).**

#### **Programming skills**

- ✓ **Operation Systems:**
  - **Server 2003, Server2008 R2.**
  - **Ubuntu.**
- ✓ **Language.**
  - **Desktop Programming Language:**
    - **Microsoft C#.NET 2008/2010.**
    - **C++.**
    - **Java**
  - **Web Development & Design Language:**
    - **ASP.net**
    - **PHP**
    - **MySQL**
    - **HTML**
    - **JavaScript**
    - **JQuery**
    - **HTML5.**

- **Database:**
  - Microsoft SQL server 2012.
- **Software skills:**
  - Object Oriented Programming.
  - System Analysis and Design.
  - Software Engineering.

## Soft Skills

- Problem-solving oriented.
- Interactive and fast enough to learn new technologies and sciences.
- Able to work in teams, under pressure.
- Self –Motivated.
- Ability to meet deadlines successfully while maintaining the quality work.

## Interested In

- Machine Learning.
- Cloud Computing
- Computer Security.
- Internet of Things.
- Desktop Programming.
- Web Programming.
- Open Source Technologies
- Teaching.

## References

*Furnished upon request.*