

# Amr Mohamed AbdelAziz

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## Personal Information

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Nationality: Egyptian

Gender: Male

Date of Birth: 1- Jan – 1985

Languages: Arabic: Native Language

English: iBT Toefl Score (78), ITP Toefl Score (520)

French: Good

Military State: Completed

Marital Status: Married

## Education and qualifications

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### Ph. D.

**2016 till Now:** Preparing my doctoral dissertation.

**Dissertation Title:** “Developing Intelligent Multi-Objective Data Mining Algorithms for Big Data Applications”

**2015-2016:** Passed pre-doctoral courses of the Faculty of Computers and Information, Assuit University, Egypt.

### Master Degree (2013)

**Thesis Title:** Hybrid Computational Intelligence Methods for Database Intrusion Detection Information Systems Department - Faculty of Computers and Information, Assuit University, Egypt.

**Thesis Abstract:** The work was about developing an intelligent technique to detect SQL injection and unauthorized accesses to different database objects. During the work, we proposed a new clustering technique called “Tabu search with adaptive search memory for data clustering” to group users with similar access behavior to the database objects into representative profiles. We then, used naive bayes classifier to determine the belongingness of new queries to the profile associated with the user who committed the transaction.

### B. Sc. (2006)

Faculty of Computers and Information - Assuit University, Egypt

Graduation Project: Mobile Applications.

## Research Interests

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Big Data Analytics

Meta-heuristics Optimization for Big Data Mining Algorithms

Computational Intelligence

Bioinformatics (DNA Microarray Gene Expression, Genome Analysis-Next Generation Sequencing)

Big Data in Social Networks Mining

Database Intrusion Detection

Machine Learning Algorithms

## Work

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2017 – Now: Vice President of Electronic Learning Center in Beni-Suef University.

2014 - Now: Assistant Lecturer in Information Systems Department, Faculty of computers and Information, Beni-Suef University.

2006 – 2014: .Net team leader in Ocean for Integrated Solutions. Ocean develops ERP applications for large companies by using Microsoft Visual Studio Team Foundation, SQL Server, and Crystal Reports.

## **Research & Development Tools**

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Hadoop and Spark over Hadoop  
Scala and Scala with Spark  
R and Advanced R  
SparkR and Sparklyr (R with Spark)  
Visual Studio (C#, Vb.net, C++)  
Visual Studio Team Foundation  
Database (SQL Server: Design and Development)  
Java  
Matlab  
Mckoi Distributed Database  
HTML5  
Dreamweaver

## **Conceptual Knowledge**

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Big Data Concepts (MapReduce- Parallel Processing Paradigms)  
Distributed Database Paradigms and Computation  
Object Oriented Concepts  
Software Engineering Concepts  
Database Design Concepts  
Information Engineering Concepts  
UML Design Concepts

## **Publications**

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A.M. Abdel-Aziez and A. Hedar. Tabu search with adaptive search memory for data clustering. In Proceedings of the 21st International Conference on Computer Theory and Applications, pages 24 - 29, 2011.

## **Personal skills**

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Ability to work in groups  
Good Research Abilities  
Self-motivated  
Work under pressure

## **References**

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Prof. Dr. Taiseer Hassan Abdel-Hamid Sulaiman, Professor in Department of Information Systems, Faculty of Computers and Information, Assuit University, Egypt.

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Dr. Kareem Kamal Abdel-Ghany, Lecturer in Department of Information Systems, Faculty of Computers and Information, Beni-Suef University, Egypt.

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Dr. Fahad Kamal Al-Sherif, Lecturer in Department of Information Systems, Faculty of Computers and Information, Beni-Suef University, Egypt.

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