

Ayatallah Gamal Abbas Marzouk

E-mail: aya.gamal.abass@gmail.com **Mobile:** (02)-01000580678.

Education

Nov2018–Present, doctoral studies

Faculty of Computers and Information, Mansoura University, Mansoura, Egypt

Thesis title: A Proposed Database Architecture for Mixed Workload Environment

July 2017- July 2018, Pre-doctoral studies

Faculty of Computers and Information, Mansoura University, Mansoura, Egypt

Sept 2013–March 2017, *Master's degree in information system*

Faculty of Computers and Information, Mansoura University, Mansoura, Egypt

Thesis title: Enhanced Technique for Retrieving Semantic Web Data

Oct 2012 - Jul 2013, Pre-Masters studies.

Information Systems Department, Faculty of Computers and Information, Mansoura University, Mansoura, Egypt.

May 2011, Bachelor's degree in computers and information.

Information System Department, Faculty of Computers and information Mansoura University, Mansoura, Egypt.

Graduation project: Interactive E-learning

Academic experience

Mar 2021- present , Assistant Lecturer

Faculty of computers and artificial intelligence, south valley university, Hurghada

Mar 2017 – Mar 2021 , Assistant Lecturer

Zarka High Institute for Computers and Business Administration

Oct 2011- Feb 2017, Teaching Assistant

Zarka High Institute for Computers and Business Administration

- ✓ My work involves teaching classes in various subjects of computer and information System
- ✓ Supervising Students' graduation projects such as (E-learning system - management information system for hospital, Students Affairs information system)
- ✓ Member of quality assurance team responsible for:
 - Teaching members and associate staff standard
 - Scientific research standard
 - Administrative section standard

Teaching experience:

- System Analysis and Design
- Programming Concepts
- Database system
- Decision Support Systems
- Management information system
- E-commerce
- Computer science concepts

Research Interests and Experience

- ✓ **My Current Research Center On Big Data Technologies, Advanced Database Topics, NoSQL Databases, Real-Time Business Intelligence, Database System, Health Information System, Electronic Health Records**
- ✓ **Interested and has excellent knowledge with:**
 - Advanced and distributed Database Systems
 - Information Retrieval Systems
 - Question Answering Systems
 - Natural language processing
 - Semantic Data And Web
 - WordNet Ontology
 - Data Mining Topics, Tools, And Application
 - System Analysis And Design Tools
 - Multimedia Basics
 - Systems Analysis And Design
 - Decision Support System
 - Fundamentals Of Artificial Intelligence
 - NoSQL Databases
 - Big data technologies
 - Data modeling

Publications

Published papers:

Ayatallah Gamal Abass, Sameh Abd El-Ghany, Ahmed Abo elfetoh, "A New Hybrid Measure for Enhancing Query Expansion Process", International Journal of Information Processing and Management (IJIPM) Volume7, Number4, Dec. 2016

Ayatallah Gamal Abass, Sameh Abd El-Ghany, Ahmed Abo elfetoh, " *Improving Question Answering System Based On a Hybrid Technique*", *Journal of Computer Science*, 14 (9), 2018.

Aya Gamal, Sherif Barakat, Amira Rizk, "Standardized Electronic Health Record Data Modeling and Persistence: A Comparative Review ", *Journal of Biomedical Informatics*, Volume 114, 2021

Technical skills

- ✓ **Programming Languages: familiar with C#, VB**
- ✓ **Databases - MS-SQL, Oracle, MS-Access, mongo dB, couchbase,neo4j**
- ✓ **Analytical skills: Good logic problem-solver, Software Engineering,**
- ✓ **Design: UML,DFD**
- ✓ **Web Programming: HTML, CSS**
- ✓ **Software: Microsoft Office programs (access, excel, word, PowerPoint, project), Rapid Miner, visual basic**

Academic skills:

- ✓ **Quality assurance and accreditation for education courses:**
 - **Program/Course Specifications and Assessment of ILOs: Faculties and Institutes of Higher Education**
 - **Exams and Students' Assessment Systems: Faculties and Institutes of Higher Education**
 - **Self-Evaluation: Faculties and Institutes of Higher Education**
 - **Teaching Strategies and Effective Learning: Faculties and Institutes of Higher Education**
 - **Strategic planning: Faculties and Institutes of Higher Education**

Training courses

- ✓ ***The Certification of International Computer Driving License (ICDL)***
- ✓ ***PROGRAMMING: C#.NET (LEVEL1).***
- ✓ ***Tofel ITP with a total score of 513.***

Personal Skills

- ✓ ***Strong presentation skills.***
- ✓ ***Strong training skills.***
- ✓ ***Good communication skills.***
- ✓ ***Good team leadership skills.***
- ✓ ***Self-motivated, strong motivator.***
- ✓ ***Good listener***
- ✓ ***Communicate well with the supervisor.***
- ✓ ***Sociable***
- ✓ ***Ambitious***
- ✓ ***Cooperative***
- ✓ ***Very fast learning***
- ✓ ***The willingness to acquire skills and experience***

Strengths:

- ✓ *Knowledge of research methodologies.*
- ✓ *Data and information collection.*
- ✓ *Writing and presenting reports and research papers.*
- ✓ *Excellent communication skills to present points precisely and clearly.*
- ✓ *Good problem-solving ability and analytic skill to solve the problem efficiently.*
- ✓ *Good team player and have excellent interaction skills to coordinate and work within a team.*
- ✓ *Good, deliver output in less time without losing efficiency.*

Languages

- ✓ **Arabic:** *Mother Tongue*
- ✓ **English:** *excellent (writing, reading)*
: Very Good (speaking)