



## **Waleed Mahmoud Ead**

**Ph.D., SAS Certified.**

**Assistant Professor**

*Director of AI lab,*

**MIS Consultant MHESR**

**SAS ML, SAS VA, SAS Studio**

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### **PROFILE SUMMARY**

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A highly competent, motivated and enthusiastic Researcher scientist and data scientist professional with an agile, analytical and data-driven mindset with more than 15 years of diverse experience in Digital Business transformation, Business Intelligence, Data mining, data science and operational Project Management, who craves challenges and works outside his comfort zone. My expertise includes digital business transformation, people management, product management, leading, planning, execution, and engagement with different types of communities. Moreover, a passionate person in bridging the gap between the industry and applied scientific research.

Key qualifications obtained throughout his career combine strong competency of Business Process Management (BPM), Intranet & collaboration, deep knowledge of software engineering and SDLC, Customer Relationship Management (CRM), Enterprise resource planning (ERP), Enterprise Portals, and backend integration with diversified experience data mining and digital transformation and enterprises assessments, eGovernment, ecommerce health-care, financial, agriculture, and other verticals.

### **EXPERIENCE SUMMARY**

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#### **INDUSRIAL PRACTICAL & PROJECTS**

**Management information systems consultant @ Ministry of higher education (MHE)**

**– Project Management unit (2018-Now). My responsibility was:**

- Supervising and support the university management information system (UMIS) for the all-Egyptian universities.
- Develop and evaluate the digital transformation strategies for the Egyptian universities.
- Consult and assessment the universities in their digital transformation projects (20 university).

- Student information system
- University payroll
- E-payment projects
- Hostel management
- Asset management

### **MHE's BI Dashboard consultant**

- Defining MHE's KPIs
- Develop MHE Data warehouse across the 20 university
- Lead and manage the development of the BI dashboard

### **MHE's digital transformation consultant**

- Develop and evaluate the digital transformation strategies for the Egyptian universities

### **Information system consultant at Beni-Suef University (SDU)**

- Manage, Support and lead the digital transformation projects
- Manage, Support and mentor the E-learning projects
- Develop E-exam for the university faculties.
- Develop a learning management system for the university faculties.
- Develop E-content for the different faculty's courses.

### **Management information system Director**

#### **Building and Managing MIS (Management information system, Beni-Suef University)**

The official department at Beni-Suef University we were responsible for all automation activities in a university such as:

- Develop and manage an e-gaining system for the whole university
- Develop and manage an online payment gate for students other fees.
- Automate the university sectors (e.g. Student affairs, Post graduate, Result Control system, employee affairs) for the whole university.
- Develop and manage an online postgraduate registration system.

### **Artificial intelligence lab director**

- Responsible for delivering the SAS Courses over the SSP over the university
- AI capacity building through the bridging the gap between industry and academia
- Responsible for managing the curriculum digital transformation process with industry

## **Ministry of Health**

- Egyptian health informatics fellowship program trainer

## **Ministry of Communications and Information technology**

- EPITA-ITI AI-pro Trainer (2020-.....)
  - Machine learning
  - Data Visualization
  - Data science for production
  - Python and Spark for Big data
  - Big data infrastructure and cloud computing
- Adjunct lecturer of machine learning( ML using SAS Viya)

## **Technical manager @ ATC for consultations and training systems (EGYPT, KSA, UAE)**

- Determine gap analysis to achieve stakeholder's needs.
- Fulfill the needs of customers like training courses, business consultations

## **CEO @ AIConsulty**

My responsibility was staffing, Managing consultants, trainers, and employees to fulfill the needs of customers like training courses, business consultations.

## **Market Basket Analysis in Abou Zekri Mini Stores**

This project was a Data mining project aimed to extract novel Knowledge from market basket analysis to deeply understand the correlation of goods sold together and other novel results (*Proved output by the company*).

## **Data analytics for improving network performance by mining network log files**

This project aims to extract novel knowledge from network log files to improve network performance

## **Data analytics for Web usage log files**

This project aims to extract novel knowledge from web usage log files to improve the performance and the engagement of the E-business portal

## **Data mining & data warehousing instructor**

- **Tools**
  - **SAS Viya**
  - **IBM Modeler**

## **Project management Trainer**

- **Tools**
  - ORACLE Primavera
  - MS Projects

**IT consultant in barcode association, October 6 city, Egypt**

**UNISCO trainer**

**Programmer and system analyst in many software houses**

## **CONSULTATIONS:**

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Consultation in digital transformation, Data analysis, Business Analysis, and Data mining domains with Egyptians and intentional organizations:

- Analytical Dashboard for the Egyptian universities.
- Data analytics for web usage log files (master thesis)
- Data warehouse integration for data analytics.
- Designing and Implementation E-Business Solutions
- Designing Mobile Payment Solutions
- Designing and applying for E-payment Solutions at Fayoum University.
- Business analysis in local area network in large scale organization log files
- Business analysis in the ministry of higher education in Egypt
- Data analysis applied on Network log files to extract novel knowledge from log files
- Data analysis in Marketing applied on market basket analysis Abouzekry stores
- Data analysis on Secure data sets (Negative Database)
- Data analysis applied to higher beni-suef University applied to student academic data.
- Multiple Private organizations information systems Consultations
- Designing and implementing Business scenarios in different companies
- Supervising many students graduation projects in fields  
(Big Data, IOT, Data mining, E-commerce, Cloud computing, E-learning, E-shopping, mobile programming, Web programming, Business Automation, Data warehouse... etc.)

## **MANAGERIAL POSITION**

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2019-.....: Artificial intelligence Lab director @BSU

2018-.....: MIS Consultant @MHE

2020-.....: CEO @ AIconsulty Company

2008-2020 : Technical manager ATC Consulting and Training Company

2015-2019 : MIS Manager @ BSU.

2018-2020 :\_Information system consultant @BSU

## **INDUSTRIAL DEVELOPMENT TOOLS EXPERIENCE**

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- **SAS® STUDIO**
  - SAS® Base Programming
- **SAS® Viya**
  - Machine Learning using SAS® Viya
  - SAS® Visual Business analytics.
  - SAS® Visual Statistics
  - SAS® Visual Data mining and machine learning.
  - SAS® R and Python Integration for ML
  - SAS® Viya for Text analytics
  - SAS® CAS Programming
- **IBM**
  - SPSS Modeler
  - SPSS Clementine
  - Watson Assistant,
  - Discovery,
  - Machine Learning,
  - Watson Studio,
  - Knowledge Studio,
  - Visual Recognition,

- Tone Analyzer,
- Natural Language Understanding
- **Microsoft**
  - Microsoft power BI, SharePoint and PowerApps
  - MS Project
  - MS SQL SERVER
  - Visual Studio.NET (VB.NET,C#)
- **ORACLE**
  - ORACLE Primavera
  - SQL Plus
  - ORACLE EXPRESS
  - ORACLE Academy (Computer science Program) Administrator
  - JAVA
- **Open Sources**
  - Python
  - R

## **INDUSTRIAL CERTIFICATIONS**

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- **SAS® Certified Educator (in progress.....)**
- **SAS® Certified in Machine learning using SAS® Viya.**
- **SAS® Certified in Base Programming.**
- **IBM Artificial Intelligent analyst**
  - Data mining
  - Natural Language Processing (NLP)
  - Chatbots
  - Computer vision
  - Tools
    - Watson Assistant,

- Discovery,
- Machine Learning,
- Watson Studio,
- Knowledge Studio,
- Visual Recognition,
- Tone Analyzer,
- Natural Language Understanding
- **IBM BIG DATA specialist**
- **PMP Exam preparation (Canadian Chamber)**

## EDUCATION

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|-------------|---|
| <b>2018</b> | <p><b>Ph.D. in computers and informatics</b><br/> Faculty of computers and informatics<br/> Menoufia University, EGYPT.<br/> Thesis title: “<b>Privacy Preserving in social Networks</b>”</p>             |
| <b>2012</b> | <p><b>M.Sc. In computers and informatics</b><br/> Faculty of computers and informatics<br/> Menoufia University, EGYPT.<br/> Thesis title: “<b>Developing an intelligent technique in web mining</b>”</p> |
| <b>2004</b> | <p><b>B.Sc. (honor degree) in Information and Technology Systems</b><br/> Faculty of computers and informatics<br/> Zagazig University, EGYPT.</p>  |

## ACADEMIC EMPLOYMENT EXPERIENCE

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| 2018 | Assistant professor; Faculty of Computers and Artificial Intelligence; Beni-Suef University. |
| 2015 | Lecturer assoc; Faculty of information technology, MUST University                           |

2014	Lecturer assoc; faculty of computers and information, Beni-Suef University.
2012	Lecturer assoc; Computer science Institute, CSC; October 6 University.
2006	Teaching assistant at Computer science Institute, CSC; October 6 University.

## **RESEARCH INTERESTS**

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Privacy Preserving, Social Networks analysis, graph mining, Data mining, Cloud computing, NoSQL DB, Distributed database, Data security, Information retrieval, Big Data analytics, Machine learning, Gene analysis, Precision Medicine.

## **ACADEMIC SERVICES**

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- Academic Peer Reviewer in many international journals and conferences.
  - Inderscience journals
  - Springer Nature
  - EAI Publishing journals
  - Int. J. of Business and Systems Research
  - Int. J. of System of Systems Engineering
  - Mobile Networks and Applications
  - IAJIT
- Develop many international conference systems.
- Organizing & community member for many international conferences.

## **ACADEMIC CERTIFICATES**

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- Student Evaluation and Examination Techniques
- Organizing scientific Conferences
- International Publishing Of Research
- Research Team Management
- Integrity, Transparency and anti-corruption
- Communication Skills
- Academic Program description and curriculum maps



## **WORKSHOPS AND EVENTS**

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- German Academic Exchange Service, DAAD
  - Self-management,
  - Self-marketing,
  - How to represent scientific data
- Program Specification and curriculum Map for higher Education Institutions. (National Authority for Quality Assurance and Accreditation of Education, NAQAAE)
- Institutional Self-Evaluation for Higher Education. ( NAQAAE)
- Business Model Canvas. (QAFEER LAB)
- Social Media. (UNISCO).
- SAS, IBM, ORACLE and MICROSOFT events.

## **ENTREPRENEURSHIPS AND STARTUPS**

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- IGreen (Intelligent adaptive environmental farm)
  - Start Egypt and Flat6Labs

## **SOCIAL IMPACT**

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- Awareness of IT & AI Impact on society
- Society technology enabler
- STEM INTEL ISEF judge
- STEM graduation projects judge

## **RESEARCH STUDENTS**

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- **Ph.D. students**
  - Co-supervisor: Prof. Rehab Youssef, Beni-Suef university
  - Fatma Ali Ibrahim: Beni-Suef university
    - Research Domain: Cyber-hygiene in digital transformation

- **Master students**

- Co-supervisor: Prof. Mona Nasr – Faculty of computers and Artificial Intelligence - Helwan University
  - Marwa Aboelkhaier – demonstrator – faculty of computers and artificial Intelligence – Beni-Suef University
    - Research Domain: Gene analysis in precision medicine
  - Hayam Mohamed - demonstrator – faculty of computers and artificial Intelligence – Beni-Suef University
    - Research Domain: Privacy Preserving

## **TEACHING ACADEMIC COURSES EXPERIENCE**

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- Semantic Web
- Data mining (ORACLE Tools, MS Tools)
- Machine learning (SAS Tools,Python,IBM)
- Data warehouse and business intelligence (SAS Tools, Power BI, MS SQL)
- Geographic Information system
- Distributed Databases systems
- Transaction processing
- System analysis and design
- Management Information System and applications
- Data structure
- Project Management ( Oracle Primavera and MS Project)
- Library information system
- Decision support System
- MATLAB
- Object oriented System analysis & Design (UML)

- Data Security
- Programming Languages (C++, C#, Visual Basic.NET, and JAVA).
- Database programming
- Web programming Languages (ASP.NET, HTML, JavaScript, CSS...).
- Databases Oracle Track SQL, PLSQL, Forms& Reports
- Microsoft SQL SERVER tracks
- Office Automation

## **NAMES OF REFERENCES:**

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- Mr.Ahmed Kamal; SAS Global Program Manager
- Prof. Mansour Hassan , Beni-Suef university President
- Prof. Hatem Sayed Ahmed, faculty of Computers and Informatics, Menoufia University.
- Prof. Emad Saeid Elabd, faculty of Computers and Informatics, Menoufia, Egypt.
- Prof. Mohie Mohammed Hadhoud, vice president of menoufia university, Egypt.
- Prof. Moawad Ibrahim Moawad, Faculty of electrical Engineering, Menoufia University.
- Prof. Ayman Sayed , Faculty of electrical Engineering, Menoufia University.
- Prof. Ali M.Abozied , faculty of Computers and information, October 6 university.
- Prof. Mohammed Belal, Faculty of Computers and information; Helwan University
- Dr. Mohammed Hassan Ibrahim, faculty of computers and informatics, Fayum University.

## PUBLICATIONS

### BOOKS TECHNICAL COMMUNITY

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- Analytics in finance (Springer Nature, Under publication)

### BOOK CHAPTERS

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- Sinem Derinder, Waleed M. Ead, M. Abbasy "Financial Data Analytics Basics" (2021, Springer, under publication)
- Waleed M. Ead, M. M. Abbasy, "A general cyber hygiene approach for financial analytical environment" (2021, Springer, under publication)

### PAPERS

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- [1]. Waleed M. Ead, Mohamed M. Abbasy. "Machine Learning Approaches for Developing Intelligent E-Services Portals", EAI Transactions on Energy Web (2020)
- [2]. Abbasy, Mohamed M., and Waleed M. Ead. "Intelligent Greenhouse Management System." 2020 6th International Conference on Advanced Computing and Communication Systems (ICACCS). IEEE, 2020.
- [3]. Waleed M. Ead, Emad Elabd, Mohamed M. Abbasy, "A General Framework Information Loss of Utility-Based Anonymization in Data Publishing" (2020, Submitted)
- [4]. Waleed M. Ead, Mohamed M. Abbasy. "Machine Learning approach for Predicting Liver Diseases", Pattern Recognition Journal (2020, Under Review)
- [5]. H. Abdulkader, E. Elabd, and W. Ead. "Securely publishing social network data". IAJIT, Vol 16, No. 6, Nov 2019.
- [6]. H. Abdulkader, E. Elabd, and W. Ead. Protecting Online Social Networks Profiles by Hiding Sensitive Data Attributes. Sciencedirect (Procedia Computer Science), Vol 82, pp 20-27, 2016. 3.
- [7]. H. Abdulkader, E. Elabd, and W. Ead. "Anonymizing published social network data". JARCA, Vol. 9, No. 1, pp. 21-28, 2017.
- [8]. H. Abdulkader, E. Elabd, and W. Ead. "Anonymizing published social network data". in Proceedings of the 2nd International Conference on Advanced Technology and Applied Science (ICaTAS) 12-14 September 2017, Alex, Egypt, 2017.
- [9]. H. Abdulkader, E. Elabd, and W. Ead. "A K-anonymity approach for privacy preserving publishing of social network data". IAJIT (submitted Jan. 2018, under review).
- [10]. Ead W. M., Adbewahed W. F., Abdulkader H. M., "Adaptive fuzzy Classification-Rule Algorithm for detection Malicious Web Sites", IAJET journal, Vol. 3, No. 1, JORDON, January 2013.
- [11]. W. F. Abdelwahed, H. M. AbdelKader, W. M. Ead, "Web Usage Mining Techniques for Web User Profiling", proceeding of ICI10, 4-6 December, pp. 485-501, Gamasa, Mansoura, EGYPT, 2010.

- [12]. Ead W. M, Adbewahed W.F, Abdulkader H. M, "Classification-Rule Discovery Algorithm in detection Malicious Web Sites from Suspicious URLs", proceeding of ICICIS,30 June-3 July, pp. 202–206,CAIRO, EGYPT, 2011.
- [13]. Ead W. M, Adbewahed W.F, Abdulkader H. M, "Immune Based Fuzzy Classification-Rule Algorithm in detection Malicious Web Sites from Suspicious URLs", proceeding of ICICIS, 30 June-3 July, pp. 207–212,CAIRO ,EGYPT, ,2011.
- [14]. Ead W. M, Adbewahed W.F, Abdulkader H. M, "Adaptive fuzzy Classification-Rule Algorithm for detection Malicious Web Sites ", ICJICIS journal, Vol.12, No.2, pp.201-212, EGYPT, January 2012.