



Waleed Mahmoud Ead, Ph.D., Ass. Professor

Mobile: +966502512865

Email: waleed.m@bu.edu.sa
waleedead@bsu.edu.eg

<https://www.linkedin.com/in/drwaleed-ead/>

PROFILE SUMMARY

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. In addition, a SAS certified in ML, VA, BP and has more than hands on SAS different SAS products such as SAS Viya, VDM, VS,SAS SQL, VP,TA,...etc. 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, eGovernment, ecommerce health-care, financial, agriculture, and other verticals.

EDUCATION

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

ACADEMIC EMPLOYMENT EXPERIENCE

2024	Assistant professor; Faculty of computing and information; Al- Baha University
2022	Assistant professor; CSIT; Egypt-Japan University of Science and Technology University.
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 of Computer science, CSC; October 6 University.
2006	Teaching assistant of Computer science, CSC; October 6 University.

RESEARCH INTERESTS

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

- 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

- 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

Microsoft

- Define academic and industry requirements for implementing certifications in degree programs.
- Design a program launch strategy
- Implement certifications in academic programs

WORKSHOPS AND EVENTS

- 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

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

SOCIAL IMPACT

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

RESEARCH STUDENTS

- **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 in healthcare.

EXPERIENCE SUMMARY

INDUSRIAL PRACTICAL EXPERIENCE & PROJECTS

Artificial intelligence lab director (2018 - Now)

- 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

Management information systems consultant @ Ministry of higher education (MHE) – Project Management unit (2018-2021). 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(2015-2019)

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.

Ministry of Health (2018 - Now)

- Egyptian health informatics fellowship program Lecturer

Ministry of Communications and Information technology

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

INDUSTRIAL DEVELOPMENT TOOLS EXPERIENCE

- **SAS® STUDIO**
 - SAS® Programming
 - SAS® SQL
- **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® Viya 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
- **WIPO**
- Intellectual property

INDUSTRIAL CERTIFICATIONS

- **SAS® Certified Educator (in progress.....)**
- **SAS® Certified in Machine learning using SAS® Viya.**
- **SAS® Certified Visual Analytics.**
- **SAS® Certified in Base Programming.**
- **IBM Artificial Intelligent analyst**
 - Data mining ,Natural Language Processing (NLP), Chatbots , Computer vision
- **IBM BIG DATA specialist**
- **PMP Exam preparation (Canadian Chamber)**

TEACHING ACADEMIC COURSES EXPERIENCE

- Data mining (ORACLE Tools, MS Tools)
- Machine learning (SAS Tools, Python)
- 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) - 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.

NAMES OF REFERENCES:

- Prof. Mansour Hassan , Beni-Suef university President
- Prof. Hatem Sayed Ahmed, Dean, faculty of Computers and Informatics, Menoufia University.
- Prof. Emad Saeid Elabd, Computers and Informatics, BU, KSA.
- Prof. Mohie Mohammed Hadhoud, vice president of menoufia university, Egypt.
- Prof. Ayman Sayed , Dean ,Faculty of electrical Engineering, Menoufia University.
- Prof. Mohammed Belal, Dean, Faculty of Computers and information; Helwan University
- Prof. Mohammed Hassan Ibrahim, faculty of computers and informatics, Fayum University.

PUBLICATIONS

BOOKS TECHNICAL COMMUNITY

- Financial Data Analytics (Springer Nature, 2022)

BOOK CHAPTERS

- Derindere Köseoğlu, Sinem, Waleed M. Ead, and Mohamed M. Abbassy. "Basics of Financial Data Analytics." *Financial Data Analytics*. Springer, Cham, 2022. 23-57.
- Ead, Waleed M., and Mohamed M. Abbassy. "A General Cyber Hygiene Approach for Financial Analytical Environment." *Financial Data Analytics*. Springer, Cham, 2022. 369-384.

PAPERS

- [1]. Saleh, Safa' A. S., Iman Sadek Alansari, Mohamed Farouk, Mounira Kezadri Hamiaz, Waleed Ead, Rana A. Tarabishi, and Hatem A. Khater. "An Optimized Hierarchical Cluster Formation Approach for Management of Smart Cities." *Applied Sciences* 13, no. 24 (2023): 13143.
- [2]. Ead, Waleed M., Hayam Mohamed, Mona Nasr, and Ahmed M. Anter. "Recent Advanced in Healthcare Data Privacy Techniques." In *Nature-Inspired Methods for Smart Healthcare Systems and Medical Data*, pp. 207-225. Cham: Springer Nature Switzerland, 2023.
- [3]. Safa'a, S. Saleh, Iman Sadek Alansari, Mounira Kezadri Hamiaz, Waleed Ead, Rana A. Tarabishi, Mohamed Farouk, and Hatem A. Khater. "I-OPC: An intelligent optimal path computation system using critical path prediction and deep learning for a time-sensitive network." *Alexandria Engineering Journal* 84 (2023): 138-152.
- [4]. Saleh, Safaa S., Iman S. Alansari, Mounira Kezadri Hamiaz, Waleed Ead, Rana A. Tarabishi, Mohamed Farouk, and Hatem A. Khater. "ODCS: On-Demand Hierarchical Consistent Synchronization Approach for the IoT." *Electronics* 12, no. 22 (2023): 4708.
- [5]. Saleh, Safaa, Iman Alansari, Waleed Ead, and Hattem A. Khatter. "Gat2Get: A Novel Approach to Infer Gene Regulatory Network from Gene Activity using Dynamic Bayesian Network learning." *Port-Said Engineering Research Journal* 27, no. 1 (2023): 87-97.

- [6]. Safa'a, S. S., Alansari, I., Hamiaz, M. K., Ead, W., Tarabishi, R. A., & Khater, H. (2023). iFogRep: An intelligent consistent approach for replication and placement of IoT based on fog computing. *Egyptian Informatics Journal*, 24(2), 327-339.
- [7]. Waleed M.Ead, F.Alsheref and I.Desoky “Automated Prediction of Employee Attrition using Ensemble Model based on Machine Learning Algorithms”, *Computational Intelligence and Neuroscience*,(2022)
- [8]. Waleed M.Ead,M.abbassy,E.Elabd “Big Data Analytics for Computational Intelligence in A Diagnostic Predictive Analytical Approach for Liver Diseases”, *Applied Nanoscience* (2022)
- [9]. Waleed M.Ead,F.alsheref,A.Desoky,” Semantic Sentiment Classification for COVID 19 Tweets using Universal Sentence Encoder”, *Computational Intelligence and Neuroscience*,(2022)
- [10]. Waleed M.Ead,Emad Elabd, Mohamed M.abbassy,”A General Framework Information Loss of Utility-Based Anonymization in Data Publishing” *Turkish Journal of Computer and Mathematics Education (TURCOMAT)* 12.5 (2021): 1450-1456.
- [11]. Ead, Waleed M., and Mohamed M. Abbassy. "IOT Based on Plant Diseases Detection and Classification." 2021 7th International Conference on Advanced Computing and Communication Systems (ICACCS). Vol. 1. IEEE, 2021.
- [12]. Waleed M.Ead,Mohamed M.Abbasy. “Machine Learning Approaches for Developing Intelligent E-Services Portals” , *EAI Transactions on Energy Web* (2020)

- [7]. Abbassy, Mohamed M., and Waleed M. Ead. "Intelligent Greenhouse Management System." 2020 6th International Conference on Advanced Computing and Communication Systems (ICACCS). IEEE, 2020.
- [8]. Waleed M.Ead,Mohamed M.Abbasy. "Machine Learning approach for Predicting Liver Diseases", Pattern Recognition Journal (2020, Under Review)
- [9]. H.Abdulkader, E.Elabd,and W.Ead. "Securely publishing social network data".IAJIT, Vol 16, No. 6, Nov 2019.
- [10]. 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.
- [11]. H.Abdulkader, E.Elabd,and W.Ead ."Anonymizing published social network data". JARCA, Vol.9,No.1,pp. 21-28,2017.
- [12]. 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.
- [13]. 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).
- [14]. 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.
- [15]. 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.
- [16]. 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.
- [17]. 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.
- [18]. 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.