



### البيانات الشخصية

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تاريخ الميلاد 10/08/1986  
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تاريخ التعيين 06/12/2015

### بيانات المؤهلات

| م | المؤهل      | تاريخ الحصول علي المؤهل | الدولة | الجامعة/الكلية/القسم             | التقدير | عنوان الرسالة باللغة العربية  | عنوان الرسالة باللغة الإنجليزية |
|---|-------------|-------------------------|--------|----------------------------------|---------|---|---------------------------------|
| 1 | البكالوريوس | 2007/08/22              | مصر    | جامعة الزقازيق                   |         |   |                                 |
| 2 | ماجستير     | 2015/02/14              | مصر    | جامعة حلوان/ الحاسبات والمعلومات |         | استخدام البرمجة متعددة المستويات الخطية على نطاق واسع لميكنة دورة العمل بالمنظمات |                                 |
| 3 | دكتوراه     | 2018/06/20              | مصر    | جامعة حلوان/ الحاسبات والمعلومات |         | استخدام البرمجة التقريبية الصحيحة متعدد المستويات لحل مشكلة تشبه الأعطال          |                                 |

### التدرج الوظيفي

| م | الدرجة الوظيفية | تاريخ شغل الوظيفة | الجامعة/الكلية/القسم   |
|---|-----------------|-------------------|--|
| 1 | مدرس مساعد      | 2015/12/06        | جامعة كفر الشيخ/ كلية الحاسبات والمعلومات/ تكنولوجيا المعلومات |
| 2 | مدرس            | 2018/10/30        | جامعة كفر الشيخ/ كلية الحاسبات والمعلومات/ نظم المعلومات       |
| 3 | أستاذ مساعد     | 2023/10/31        | جامعة كفر الشيخ/ كلية الحاسبات والمعلومات/ نظم المعلومات       |

### الوظائف الإشرافية والإدارية

| م | الدرجة الوظيفية | الوظيفة | تاريخ بدء الوظيفة | تاريخ نهاية الوظيفة |
|---|-----------------|---------|-------------------|---------------------|
|---|-----------------|---------|-------------------|---------------------|

|   |      |   |            |
|---|------|---|------------|
| 1 | مدرس | نائب المدير التنفيذي للمعلومات          | 2017/08/01 |
| 2 | مدرس | عضو لجنة التحول الرقمي بجامعة كفر الشيخ | 2019/05/15 |
| 3 | مدرس | المدير التنفيذي للمعلومات               | 2019/08/01 |
| 4 | مدرس | منسق جامعة النيل                        | 2020/09/08 |

### بيانات الدورات التدريبية

| م  | الدورة   | نوع الدورة          | الدولة | الجهة                                     | الفترة من  | الفترة الى |
|----|--|---------------------|--------|---|------------|------------|
| 1  | ادارة الازمات والتفاوض                           | دورة تأهيلية خارجية | مصر    | جامعة اخرى                                | 2022/09/11 | 2022/09/14 |
| 2  | الامن القومي والدراسات الاستراتيجية              | دورة تأهيلية خارجية | مصر    | جامعة اخرى                                | 2022/08/28 | 2022/08/31 |
| 3  | صناع القرار                                      | دورة تأهيلية خارجية | مصر    | جامعة اخرى                                | 2022/09/18 | 2022/09/21 |
| 4  | اعداد المعلم الجامعى                             | دورة اساسية للترقى  | مصر    | جامعة كفر الشيخ/ كلية التربية             | 2017/11/20 | 2017/11/28 |
| 5  | النشر العلمى الدولى                              | دورة اساسية للترقى  | مصر    | جامعة كفر الشيخ/ كلية الحاسبات والمعلومات | 2017/09/27 | 2017/09/28 |
| 6  | الجوانب الماليه والقانونيه فى الأعمال الجامعيه   | دورة اساسية للترقى  | مصر    | جامعة كفر الشيخ/ كلية الحاسبات والمعلومات | 2018/01/08 | 2018/01/09 |
| 7  | إدارة الفريق البحثي                              | دورة اساسية للترقى  | مصر    | جامعة كفر الشيخ/ كلية الحاسبات والمعلومات | 2018/01/21 | 2018/01/22 |
| 8  | الاكسيل  | دورة اساسية للترقى  | مصر    | جامعة كفر الشيخ/ كلية الحاسبات والمعلومات | 2017/07/25 | 2017/07/27 |
| 9  | أساليب القياس والتقويم وإعداد المفردة الاختبارية | دورة تأهيلية خارجية | مصر    | المجلس الأعلى للجامعات                    | 2020/08/01 | 2020/08/10 |
| 10 | اعداد مدربين                                     | دورة تأهيلية خارجية | مصر    | وزارة التخطيط                             | 2023/10/18 | 2023/10/24 |

### قائمة بالبحوث للعضو

| م | البحث  | نوع البحث | تاريخ البحث |
|---|--|-----------|-------------|
| 1 | An Automatic Dermatology Detection System Based on Deep Learning and Computer Vision               | منفرد     | 2023/12/01  |
| 2 | Appropriate and Optimal Classifier for Beef Quality Discrimination by A Low-Cost Optical Apparatus | منفرد     | 2023/11/01  |
| 3 | A real-time Arabic avatar for deaf-mute community using attention mechanism                        | منفرد     | 2023/10/01  |

|            |       |  |    |
|------------|-------|--|----|
| 2023/09/01 | منفرد | Estimation of coconut maturity based on fuzzy neural network and sperm whale .optimization   | 4  |
| 2023/08/01 | منفرد | Smart Assessment of Wheat Suppliers via MARCOS-based MCDM Modelling .under a Neutrosophic Scenario                                   | 5  |
| 2023/08/01 | منفرد | An Effective Decision-Making Framework for Evaluating the Intelligent Logistics Development Scenarios .Performance                   | 6  |
| 2023/07/01 | منفرد | Effective Feature Selection Strategy for Supervised Classification based on an Improved Binary Aquila Optimization .Algorithm        | 7  |
| 2023/06/07 | منفرد | An improved Henry gas optimization algorithm for joint mining decision and resource allocation in a MEC-enabled .blockchain networks | 8  |
| 2023/06/01 | منفرد | An enhanced multi-operator differential evolution algorithm for tackling .knapsack optimization problem                              | 9  |
| 2023/02/01 | منفرد | Parameter extraction of solar photovoltaic models using queuing search optimization and differential .evolution                      | 10 |
| 2023/01/01 | منفرد | Self-Tuning Parameters for Decision Tree Algorithm Based on Big Data .Analytics  | 11 |
| 2023/01/01 | منفرد | Machine Learning Techniques for .Detecting Phishing URL Attacks  | 12 |
| 2022/12/01 | منفرد | Deep fake news detection system based on concatenated and recurrent modalities   | 13 |
| 2022/10/01 | منفرد | Emerging trends in blockchain technology and applications: A review .and outlook   | 14 |
| 2022/09/01 | مشترك | An analytical code quality methodology using Latent Dirichlet Allocation and Convolutional Neural Networks                           | 15 |
| 2022/08/06 | مشترك | Deep Learning Model Based on ResNet-50 for Beef Quality Classification   | 16 |
| 2022/05/04 | مشترك | Improved Binary Adaptive Wind Driven Optimization Algorithm-Based Dimensionality Reduction for Supervised Classification             | 17 |

|            |       |   |    |
|------------|-------|---|----|
| 2022/04/27 | مشترك | An improved binary sparrow search algorithm for feature selection in data classification  | 18 |
| 2022/02/28 | مشترك | A framework for evaluating sustainable renewable energy sources under uncertain conditions: A case study                                    | 19 |
| 2022/01/13 | مشترك | An Efficient Data Mining Technique for Assessing Satisfaction Level With Online Learning for Higher Education Students During the COVID-19  | 20 |
| 2022/01/13 | منفرد | An efficient data mining technique for assessing satisfaction level with online learning for higher education students .during the COVID-19 | 21 |
| 2022/01/01 | مشترك | A Review on Concurrency Control Techniques in Database Management Systems   | 22 |
| 2021/12/17 | مشترك | Solving quadratic programming problems through a fully rough scheme and its applications  | 23 |
| 2021/11/01 | مشترك | Evolutionary algorithm-based convolutional neural network for predicting heart diseases   | 24 |
| 2021/07/03 | مشترك | A clustering based Swarm Intelligence optimization technique for the Internet of Medical Things   | 25 |
| 2020/09/11 | مشترك | Approach for Training Quantum Neural Network to Predict Severity of COVID- in Patients 19   | 26 |
| 2020/06/04 | مشترك | A Novel Approach for Solving a Fully Rough Multi-Level Quadratic Programming Problem and Its Application                                    | 27 |
| 2020/02/24 | مشترك | Medical Imbalanced Data Classification Based on Random Forests  | 28 |
| 2020/01/01 | منفرد | A new swarm intelligence framework for the Internet of Medical Things system in .healthcare   | 29 |

### بيانات الخبرات

| م | نوع الخبرة             | الدولة   | الجهة / الجامعة                              | الفترة من  | الفترة الى |
|---|------------------------|----------|--|------------|------------|
| 1 | المشاركة فى مشروع بحثى | السعودية | جامعة الامير سلطان/ كلية الحاسبات والمعلومات | 2023/10/01 | 2024/09/30 |

## Personal Data:

- **Name:** Amr Ali Saad Omar Abohany
- **Date of birth:** 10/8/1986
- **Place of birth:** Damanhur, Elbhara, Egypt
- **Nationality:** Egyptian
- **Marital Status:** Married
- **Current Address:** Building no.37, village no.1, Sheikh Zaid city, Giza, Egypt
- **Mobile:** +201016430400
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- **GoogleScholar:** <https://scholar.google.com/citations?user=EdAJLGsA-AAJ&hl=ar>
- **Research Gate:** <https://www.researchgate.net/profile/Amr-Abohany-2>
- <https://orcid.org/0000-0002-7408-5073>

## Educational Data

- **2018:** PhD degree in Information Systems, Faculty of Computers and Information Sciences, Helwan University.
  - **Research Title:** Using Rough Multi-Level Integer Programming for Solving Fault Distortion Problem.
  - **Research Application:** Labor Force Redistribution Algorithm in Telecommunication Organizations.
- **2014:** master degree in Information Systems, Faculty of Computers and Information Sciences, Helwan University.
  - **Research Title:** Using large Scale Multi-Level Linear Programming Technique for Automating Work Flow Process in Organizations.
  - **Research Application:** Computer software for archiving and managing documents flow in large scale organizations.
- 2007: B.SC. Of Information Systems, Faculty of Computers and Information Sciences, Zigzag University.
  - **Accumulative Grade:** Very good (81%).

- **Graduation Project:** Develop information system for Zigzag cultural palace.
- **Graduation Project Grade:** Excellent (95%).

## **Profession Experience**

- Over 8 years of experience in University teaching plus more than 10 years of technical experience in Information technology and Software Engineering.
- Strong background in under graduates teaching, coaching and groups leadership.
- Proven skills in problem solving, teaching methods, creative application and recreation.
- Ability to lead groups, finish tasks on time, fast learning and organize episodes and conferences.
- Professional communication skills include fluency in English and Arabic

## **Teaching Experience:**

- **2024-Present**, Associative Professor at Faculty of Computers and Information, Information Systems Department, Kafrelsheikh university.
- **2018-2023**, Assistant Professor at Faculty of Computers and Information, Information Systems Department, Kafrelsheikh university.

### **Courses :**

- **“Foundations of Information Systems”** subject, in the Faculty of Computers and Information, Information Systems Department.
- **“System Analysis and Design”** subject, in the Faculty of Computers and Information, Information Systems department.
- **“Decision Support Systems”** subject, in the Faculty of Computers and Information, Information Systems Department.
- **“Structure Programming”** subject, in the Faculty of Computers and Information, Computer Science Department.
- **“Technical Writing”** subject, in the Faculty of Computers and Information, General Department.

- **“Software Engineering”** subject, in the Faculty of Computers and Information, Software Engineering Department.
- **“Software Construction”** subject, in the Faculty of Computers and Information, Software Engineering Department.
- **“Global Software Systems”** subject, in the Faculty of Computers and Information, Software Engineering Department.
- **“Software Quality Assurance and Testing”** subject, in the Faculty of Computers and Information, Software Engineering Department.
- **“Software Architecture”** subject, in the Faculty of Computers and Information, Software Engineering department.
- **“Software Requirements Analysis”** subject, in the Faculty of Computers and Information, Software Engineering department.

○ **2018-Present**, part-time Lecturer at Faculty of College of Computing & Information Technology at AASTMT (Arab Academy for science, Technology and Maritime Transport).

#### **Courses :**

- **“Software Engineering”** subject, in the College of Computing and Information Technology, Software Engineering Department.
- **“Software Quality Assurance and Testing”** subject, in the College of Computing and Information Technology, Software Engineering Department.
- **“Software Architecture** subject, in the College of Computing and Information Technology, Software Engineering Department.
- **“Software Requirements Analysis”** subject, in the College of Computing and Information Technology, Software Engineering Department.
- **“Software Component Design”** subject, in the College of Computing and Information Technology, Software Engineering Department.

○ **2015-2018**, Teaching assistant at Faculty of Computers and Information, Information Systems Department, Kafrelsheikh university.



## **Courses :**

- **“Information System Foundations”** subject, in the Faculty of Computers and Information, Information Systems Department.
- **“Structure Programming”** subject, in the Faculty of Computers and Information, Computer Science Department.
- **“Object Oriented Programming”** subject, in the Faculty of Computers and Information, Computer Science Department.
- **“Digital Circuits Design”** subject, in the Faculty of Computers and Information, General department.
- **“Project Management”** subject, in the Faculty of Computers and Information, General department.
- **“Introduction to the Web Development”** subject, in the Faculty of Computers and Information, Information Technology Department.
- **“Data Communication”** subject, in the Faculty of Computers and Information, Information Technology Department.
- **“Computer Network”** subject, in the faculty of computers and information, Information Technology Department.

## **Research Interests:**

- Optimization Problems
- Metaheuristic Techniques
- Deep Learning
- Machine Learning
- Fake Data Detection (News, Images, and Deep Fake)

## **Research Projects:**

- Gene Selection for Cancer Classification in High-Dimensional Data via an Improved Binary Nuclear Reaction Optimization Algorithm-Based Dimensionality Reduction.
  - University: Prince Sattam bin Abdul-Aziz University.
  - Date: 1/10/2023.
  - Duration: 9 Months.

## **List of publications:**



1. Sorour, S. E., Hany, A. A., Elredeny, M. S., Sedik, A., & Hussien, R. M. (2023). An Automatic Dermatology Detection System Based on Deep Learning and Computer Vision. *IEEE Access*.
2. Hussien, R. M., Abohany, A. A., Moustafa, N., & Sallam, K. M. (2023). An improved Henry gas optimization algorithm for joint mining decision and resource allocation in a MEC-enabled blockchain networks. *Neural Computing and Applications*, 1-16.
3. Abd El-Mageed, A. A., Abohany, A. A., Saad, H. M., & Sallam, K. M. (2023). Parameter extraction of solar photovoltaic models using queuing search optimization and differential evolution. *Applied Soft Computing*, 110032.
4. Sallam, K. M., Abohany, A. A., & Rizk-Allahi, R. M. (2023). An enhanced multi-operator differential evolution algorithm for tackling knapsack optimization problem. *Neural Computing and Applications*, 1-28.n.
5. Abd El-Mageed, A. A., Abohany, A. A., & Elashry, A. (2023). Effective Feature Selection Strategy for Supervised Classification based on an Improved Binary Aquila Optimization Algorithm. *Computers & Industrial Engineering*, 181, 109300.
6. Mosa, D. T., Nasef, N. A., Lotfy, M. A., Abohany, A. A., Essa, R. M., & Salem, A. (2023). A real-time Arabic avatar for deaf–mute community using attention mechanism. *Neural Computing and Applications*, 1-15.
7. Hafez, M. M., Elfakharany, E. E. F., Abohany, A. A., & Thabet, M. (2023). Self-Tuning Parameters for Decision Tree Algorithm Based on Big Data Analytics. *CMC-COMPUTERS MATERIALS & CONTINUA*, 75(1), 943-958.
8. Mosa, D. T., Shams, M. Y., Abohany, A. A., El-kenawy, E. S. M., & Thabet, M. (2023). Machine Learning Techniques for Detecting Phishing URL Attacks. *CMC-COMPUTERS MATERIALS & CONTINUA*, 75(1), 1271-1290.
9. El-Shafeiy, E., Abohany, A. A., Elmessery, W. M., & El-Mageed, A. A. A. (2023). Estimation of coconut maturity based on fuzzy neural network and sperm whale optimization. *Neural Computing and Applications*, 1-24.
10. Hussien, R. M., Abohany, A. A., Sallam, K. M., & Salem, A. (2023). Smart Assessment of Wheat Suppliers via MARCOS-based MCDM Modelling under a Neutrosophic Scenario. *Neutrosophic Sets and Systems*, 57(1), 17.
11. Sallam, K. M., Abohany, A. A., Salem, A., & Hussien, R. M. (2023). An Effective Decision-Making Framework for Evaluating the Intelligent Logistics Development Scenarios Performance. *Neutrosophic Sets and Systems*, 57(1), 20.
12. Abdallah, S. E., Elmessery, W. M., Hassan, W. Z., Al-Sattary, N. S., Abohany, A. A., & Elashry, A. (2023). Appropriate and Optimal Classifier for Beef Quality Discrimination by A Low-Cost Optical Apparatus.
13. Abdallah, S. E., Elmessery, W. M., Shams, M. Y., Al-Sattary, N. S. A., Abohany, A. A., & Thabet, M. (2023). Deep learning model based on ResNet-50 for beef quality classification. *Inf Sci Lett*, 12(1), 289-297.
14. Gad, A. G., Mosa, D. T., Abualigah, L., & Abohany, A. A. (2022). Emerging trends in blockchain technology and applications: A review and outlook. *Journal of King Saud University-Computer and Information Sciences*, 34(9), 6719-6742.

15. Abdelkader, H. E., Gad, A. G., Abohany, A. A., & Sorour, S. E. (2022). An efficient data mining technique for assessing satisfaction level with online learning for higher education students during the COVID-19. *IEEE Access*, 10, 6286-6303.
16. Gad, A. G., Sallam, K. M., Chakraborty, R. K., Ryan, M. J., & Abohany, A. A. (2022). An improved binary sparrow search algorithm for feature selection in data classification. *Neural Computing and Applications*, 34(18), 15705-15752.
17. Abd El-Mageed, A. A., Gad, A. G., Sallam, K. M., Munasinghe, K., & Abohany, A. A. (2022). Improved binary adaptive wind driven optimization algorithm-based dimensionality reduction for supervised classification. *Computers & Industrial Engineering*, 167, 107904.
18. Sedik, A., Abohany, A. A., Sallam, K. M., Munasinghe, K., & Medhat, T. (2022). Deep fake news detection system based on concatenated and recurrent modalities. *Expert Systems with Applications*, 208, 117953.
19. Abdelkader, H. E., Gad, A. G., Abohany, A. A., & Sorour, S. E. (2022). An efficient data mining technique for assessing satisfaction level with online learning for higher education students during the COVID-19. *IEEE Access*, 10, 6286-6303.
20. Azzam, S. M., Sleem, M. M., Sallam, K. M., Munasinghe, K., & Abohany, A. A. (2022). A framework for evaluating sustainable renewable energy sources under uncertain conditions: A case study. *International Journal of Intelligent Systems*, 37(10), 6652-6685.
21. Sorour, S. E., Abdelkader, H. E., Sallam, K. M., Chakraborty, R. K., Ryan, M. J., & Abohany, A. (2022). An analytical code quality methodology using Latent Dirichlet Allocation and Convolutional Neural Networks. *Journal of King Saud University-Computer and Information Sciences*, 34(8), 5979-5997.
22. Samir, A. A., Rashwan, A. R., Sallam, K. M., Chakraborty, R. K., Ryan, M. J., & Abohany, A. A. (2021). Evolutionary algorithm-based convolutional neural network for predicting heart diseases. *Computers & Industrial Engineering*, 161, 107651.
23. El-shafeiy, E., Sallam, K. M., Chakraborty, R. K., & Abohany, A. A. (2021). A clustering based Swarm Intelligence optimization technique for the Internet of Medical Things. *Expert Systems with Applications*, 173, 114648.
24. El-Shafeiy, E., Hassanien, A. E., Sallam, K. M., & Abohany, A. A. (2021). Approach for training quantum neural network to predict severity of COVID-19 in patients. *Computers, Materials, & Continua*, 1745-1755.
25. Abohany, A. A., Rizk-Allah, R. M., Mousa, D. T., & Hassanien, A. E. (2021). Solving quadratic programming problems through a fully rough scheme and its applications. *International Journal of Mathematics in Operational Research*, 20(3), 355-372.
26. Abohany, A. A., Rizk-Allah, R. M., Mosa, D. T., & Hassanien, A. E. (2020). A Novel Approach for Solving a Fully Rough Multi-Level Quadratic Programming Problem and Its Application. *International Journal of Service Science, Management, Engineering, and Technology (IJSSMET)*, 11(4), 137-165.
27. El-Shafeiy, E., & Abohany, A. (2020). A new swarm intelligence framework for the Internet of Medical Things system in healthcare. In *Swarm Intelligence*

- for Resource Management in Internet of Things (pp. 87-107). Academic Press.
28. El-shafeiy, E., & Abohany, A. (2020). Medical imbalanced data classification based on random forests. In Proceedings of the International Conference on Artificial Intelligence and Computer Vision (AICV2020) (pp. 81-91). Springer International Publishing.

## Career Path

- Chief Information Officer, Kafrelsheikh University, 2018-till now, part-time.
- **Associative Professor of Information Systems**, *Faculty of Computers and Information Sciences*, Kafrelsheikh University from October 2023 till now.
- **Assistant Professor of Information Systems**, *Faculty of Computers and Information Sciences*, Kafrelsheikh University from October 2018 to October 2023.
- **Teaching Assistant of Information Technology**, *Faculty of Computers and Information Sciences*, Kafrelsheikh University from December 2015 to July 2018.
- **Manager of Electronic Document Management System** at "WE" from September 2014 to December 2015.
- **Head Department of Electronic Document Management System** at "WE" from September 2012 to September 2014.
- **Head Department of Data Center** at "WE" from September 2011 to September 2012.
- **Head Department of Technical Office and Administrative** at "WE" from September 2009 to September 2011.

## Technical Skills

- ToT Certified-National Institute for Governance and Sustainable Development.
- Foundations of Digital Transformation – Supreme Council of Universities
- TOGAF Certified
- Programming Languages
  - SQL Server

- ASP.NET
- Web Technologies
  - C# web applications 2005/2008/2010/2013
  - HTML, CSS, Java Script
- Database Management Systems [DBMS]
  - Microsoft SQL Server 2005/2008/2016
  - MySQL
  - Microsoft Access
- Productivity Suites
  - Microsoft Office [word, excel, InfoPath, Visio,etc..]

## REFERENCES

- Available Upon Request