

CURRICULUM VITAE



PERSONAL INFORMATION

Faculty Member Name: Amr Atef Abd El-Mageed Abd El-Rahman
Title: Faculty Member
Academic Rank: Assistant Professor
College: College of Information Technology
Department: Computer Science
Date of Birth: Jul. 4, 1985
Place of Birth: Sohag - Egypt
Nationality: Egyptian
Marital Status: Married
Address: Shafa Badran – Amman – Jordon.
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ACADEMIC QUALIFICATIONS

Degrees with fields, institution, and date

- Ph.D. Degree in Information Systems, Faculty of Computers and Artificial Intelligence, Helwan University, Egypt, March 2019.
 - **PhD Dissertation Title:** "Architecting a Fuzzy Information Model Using Multi-Level Optimization. Case Study of University Budgeting".
- Master Degree in Information Systems, Faculty of Computers and Information, Assiut University, Egypt, March 2012.
 - **Master's Thesis Title:** "Discovering and Predicting Genes' Information Using Text Mining".
- Bachelor of Information Systems, Faculty of Computers and Information, Assiut University, Egypt, June 2006, Accumulative Grade: Very good.
 - **Graduation Project Title:** "Electronic Journal of Faculty of Science"

ACADEMIC EXPERIENCE

Duration: September 2025 till Now

- **University:** Amman Arab University
- **Academic Rank:** Assistant Professor of Computer Science
- **Date the rank was granted:** 09/2025
- **The body granting the rank:** Amman Arab University
- **College:** Department of Computer Science / College of Information Technology
- **Country:** Jordan

Duration: July 2024 till September 2025

- **University:** Sohag University
- **Academic Rank:** Associate Professor of Information Systems
- **Date the rank was granted:** 7/2024

- **The body granting the rank:** Sohag University
- **College:** Department of Information Systems / Faculty of Commerce
- **Country:** Egypt

Duration: April 2019 till July 2024

- **University:** Sohag University
- **Academic Rank:** Assistant Professor of Information Systems
- **Date the rank was granted:** 4/2019
- **The body granting the rank:** Sohag University
- **College:** Department of Information Systems / Faculty of Commerce
- **Country:** Egypt

Duration: November 2013 till April 2019

- **University:** Sohag University
- **Academic Rank:** Assistant Lecturer of Information Systems
- **Date the rank was granted:** 11/2013
- **The body granting the rank:** Sohag University
- **College:** Department of Information Systems / Faculty of Commerce
- **Country:** Egypt

Duration: March 2008 till November 2013

- **University:** Higher Institute of Computer Science and Management Technology
- **Academic Rank:** Demonstrator
- **Date the rank was granted:** 3/2008

- **The body granting the rank:** Higher Institute of Computer Science and Management Technology
- **College:** Department of Computer Science
- **Country:** Egypt

NON-ACADEMIC EXPERIENCE

- Director of the Electronic Correction Unit, Faculty of Commerce, Sohag University, from 19/6/2019 for a period of one year, and from 21/12/2023 for a period of one year.
- Director of the Information Technology Unit (IT), Faculty of Commerce, Sohag University, from 20/3/2025 for a period of one year.
- Member of the Electronic Correction Room, Faculty of Commerce, Sohag University, from 5/3/2019 for a period of one year, and from 1/9/2019 for a period of one year.
- Member of the Electronic Correction Follow-up Committee, Faculty of Commerce, Sohag University, from 22/12/2022 for a period of one year, and from 24/12/2023 for a period of one year.
- Member of the follow-up committees and technical support for the Quality Assurance and Program Accreditation Center, Sohag University, for the year 2019/2020.
- Member of the Board of the Quantitative Methods Department, Faculty of Commerce, Sohag University, from 10/6/2019 for a period of one year, and from 1/9/2022 for a period of one year.
- Member of the Environmental Affairs and Community Service Committee, Faculty of Commerce, Sohag University, from 1/9/2019 for a period of one year.

CERTIFICATIONS OR PROFESSIONAL REGISTRATIONS

- Certified Trainer at FLDP Center, Sohag University.
- Attendance and pass the following courses and programs:
 - Statistical Package for the Social Sciences (SPSS).
 - Photoshop graphic program.
 - MIS by laws and control affairs.
 - EndNote.
 - Statistical analysis using SPSS.
 - Organizing scientific conferences, from the International Center for Developing the Capabilities of Faculty Members and Leadership at Sohag University.
 - Time management and meetings, from the International Center for Developing the Capabilities of Faculty Members and Leadership at Sohag University.
 - Managing the research team, from the International Center for Developing the Capabilities of Faculty Members and Leadership at Sohag University.
 - Scientific publishing, from the International Center for Developing the Capabilities of Faculty Members and Leadership at Sohag University.
 - Communication skills in different modes of education, from the International Center for Developing the Capabilities of Faculty Members and Leadership at Sohag University.
 - Design and activation of the electronic course, from the International Center for Developing the Capabilities of Faculty Members and Leadership at Sohag University.
 - The Standards for accreditation of higher education institutions, from the Quality Assurance and Program Accreditation Center at Sohag University.
 - The Security and safety requirements in light of quality standards, from the Quality Assurance and Program Accreditation Center at Sohag University.
 - The internal audit program for higher education institutions, from the Quality Assurance and Program Accreditation Center at Sohag University.

دائرة الموارد البشرية
Human Resources Department

- Program and course descriptions, from the Quality Assurance and Program Accreditation Center at Sohag University.
- The Basics of Digital Transformation course, from the Central Unit for Training in Information Systems and Technology at the Supreme Council of Universities.
- The Training of Trainers (TOT) course, from the Central Unit for Training in Information and Communication Systems and Technology at Sohag University.
- A community culture course to prevent and combat corruption using e-learning, from the Central Unit for Training in Information Systems and Technology in partnership with the Anti-Corruption Committee at Sohag University.
- The University lecturer preparation course, at the Faculty of Education, Sohag University.
- Attendance of "People with Disability Rights Law" Workshop.
- Attendance of "Universal Design for Learning – UDL" Workshop.
- Attendance of "Employment Forum for Upper Egypt Universities to Integrate the Vision between Universities' Outcomes and Labor Market Requirements for Vocational Qualification and Empowerment of Persons with Disabilities" workshop.
- Attendance of "Egyptian Knowledge Bank" Workshop.
- Lecturer in several training courses affiliated to the Directorate of Organization and Administration in Sohag, namely:
 - A course on the role of information technology in decision-making
 - A course on a plan to automate or digitize government services in Egypt
 - A course on technological challenges and the transition to digital organizations

CURRENT MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- None

HONORS AND AWARDS

- International scientific publication Award at Sohag University for the academic year 2022/2023 for (1) research.
- International scientific publication Award at Sohag University for the academic year 2023/2024 for (3) research.
- International scientific publication Award at Sohag University for the academic year 2024/2025 for (6) research.
- Scientific Excellence Award for Publishing International Scientific Research for the academic year 2024/2025.

SERVICE ACTIVITIES

- None

THE MOST IMPORTANT PUBLICATIONS IN LAST FIVE YEARS

1. **Amr A. Abd El-Mageed**, Ahmed G. Gad, Karam M. Sallam, Kumudu Munasinghe and Amr A. Abohany, *Improved Binary Adaptive Wind Driven Optimization Algorithm-Based Dimensionality Reduction for Supervised Classification*, Computers & Industrial Engineering, ELSEVIER, 167 (2022) 107904, DOI: <https://doi.org/10.1016/j.cie.2021.107904>.
2. **Amr A. Abd El-Mageed**, Amr A. Abohany, Hatem M.H. Saad, and Karam M. Sallam, *Parameter extraction of solar photovoltaic models using queuing search optimization and differential evolution*, Applied Soft Computing, ELSEVIER, 134 (2023) 110032, DOI: <https://doi.org/10.1016/j.asoc.2023.110032>.
3. **Amr A. Abd El-Mageed**, Amr A. Abohany, and Ahmed Elashry, *Effective Feature Selection Strategy for Supervised Classification based on an Improved Binary Aquila Optimization Algorithm*, Computers & Industrial Engineering, ELSEVIER, 181 (2023) 109300, DOI: <https://doi.org/10.1016/j.cie.2023.109300>.
4. Engy El-Shafeiy, Amr A. Abohany, Wael M. Elmessery, and **Amr A. Abd El-Mageed**, *Estimation of Coconut Maturity Based on Fuzzy Neural Network and Sperm Whale Optimization*, Neural Computing and Applications, Springer, 35 (26) (2023) 19541-19564, DOI: <https://doi.org/10.1007/s00521-023-08761-0>.

5. Shaymaa E Sorour, **Amr A. Abd El-Mageed**, Khalied M. Albarrak, Abdulrahman K. Alnaim, Abeer A. Wafa, and Engy El-Shafeiy, *Classification of Alzheimer's disease using MRI data based on Deep Learning Technique*, Journal of King Saud University - Computer and Information Sciences, ELSEVIER, 36 (2024) 101940, DOI: <https://doi.org/10.1016/j.jksuci.2024.101940>.
6. Reda M. Hussien, Amr A. Abohany, **Amr A. Abd El-Mageed**, and Khalid M. Hosny, *Improved Binary Meerkat Optimization Algorithm for Efficient Feature Selection of Supervised Learning Classification*, Knowledge-Based Systems, ELSEVIER, 292 (2024) 111616, DOI: <https://doi.org/10.1016/j.knosys.2024.111616>.
7. **Amr A. Abd El-Mageed**, Amr A. Abohany, Asmaa H. Ali, and Khalid M. Hosny, *An Adaptive Hybrid African Vultures-Aquila Optimizer with Xgb-Tree Algorithm for Fake News Detection*, Journal of Big Data, SpringerOpen, 11 (41) (2024), DOI: <https://doi.org/10.1186/s40537-024-00895-9>.
8. **Amr A. Abd El-Mageed**, Ahmed E. Elkhoul, Amr A. Abohany, and Mona Gafar, *Gene Selection via Improved Nuclear Reaction Optimization Algorithm for Cancer Classification in High-Dimensional Data*, Journal of Big Data, SpringerOpen, 11 (46) (2024), DOI: <https://doi.org/10.1186/s40537-024-00902-z>.
9. **Amr A. Abd El-Mageed**, Ayoub Al-Hamadi, Samy Bakheet, and Asmaa H. Abd El-Rahiem, *Hybrid Sparrow Search-Exponential Distribution Optimization with Differential Evolution for Parameter Prediction of Solar Photovoltaic Models*, Algorithms, MDPI, 17 (1) (2024) 26, DOI: <https://doi.org/10.3390/a17010026>.
10. Mohamed A. Kassem, Amr A. Abohany, **Amr A. Abd El-Mageed**, and Khalid M. Hosny, *A Novel Deep Learning Model for Detection of Inconsistency in E-commerce Websites*, Neural Computing and Applications, Springer, (2024), DOI: <https://doi.org/10.1007/s00521-024-09590-5>.
11. Shaymaa E. Sorour, Khalied M. Albarrak, Amr Abo Hany, **Amr A. Abd El-Mageed**, *Credit Card Fraud Detection Using the Brown Bear Optimization Algorithm*, Alexandria Engineering Journal, ELSEVIER, 104 (2024) 171–192, DOI: <https://doi.org/10.1016/j.aej.2024.06.040>.

12. Mona Gafar, Amr A. Abohany, Ahmed E. Elkhoul, and **Amr A. Abd El-Mageed**, *Optimization of Gene Selection for Cancer Classification in High-Dimensional Data Using an Improved African Vultures Algorithm*, Algorithms, MDPI, 17(8) (2024) 342, DOI: <https://doi.org/10.3390/a17080342>.
13. **Amr A. Abd El-Mageed**, Samy Bakheet, Saleh A. Mohamed, Asmaa H. Abd El-Rahiemd, *A Survey on Meta-heuristic Algorithms for Parameters Prediction of Solar Photovoltaic Models*, Advances in Basic and Applied Sciences, Accepted and Under Publication (2024).
14. Shorouk E. El-deep, Amr A. Abohany, Karam M. Sallam, and **Amr A. Abd El-Mageed**, *A comprehensive survey on impact of applying various technologies on the internet of medical things*, Artificial Intelligence Review, Springer, 86 (58) (2025), DOI: <https://doi.org/10.1007/s10462-024-11063-z>.
15. Ibrahim Y. Hafez, Ahmed Y. Hafez, Ahmed Saleh, **Amr A. Abd El-Mageed** and Amr A. Abohany, *A systematic review of AI-enhanced techniques in credit card fraud detection*, Journal of Big Data, SpringerOpen, 12 (6) (2025), DOI: <https://doi.org/10.1186/s40537-024-01048-8>.
16. **Amr A. Abd El-Mageed**, Amr A. Abohany, and Khalid M. Hosny, *Enhanced Binary Kepler Optimization Algorithm for effective feature selection of supervised learning classification*, Journal of Big Data, SpringerOpen, 12 (93) (2025), DOI: <https://doi.org/10.1186/s40537-025-01125-6>.
17. Khalid M. Hosny, **Amr A. Abd El-Mageed**, Amr Abo Hany, Reda M. Hussein, and Mona Gaffar, *Precise estimation of solar photovoltaic parameters via brown bear optimization and Differential Evolution*, Alexandria Engineering Journal, ELSEVIER, 127 (2025) 164–199, DOI: <https://doi.org/10.1016/j.aej.2025.04.020>.

INSTITUTIONAL PROFESSIONAL DEVELOPMENT ACTIVITIES IN THE LAST FIVE YEARS

- Member of the Measurement and Examination Evaluation Unit, Faculty of Commerce, Sohag University, from May 2025 till September 2025.
- Certified Trainer in the project of training faculty members and their assistants at Sohag University on the educational platform "Thinqi".

- Coordinator and representative of the Faculty of Commerce for the Center for Service for Students with Disabilities, Sohag University.
- Member of the committee to prepare the new regulations at the Faculty of Commerce, Sohag University.
- Member of the committee to prepare the regulations for the (E-Commerce) program at the Faculty of Commerce, Sohag University.
- Designer of a computer program for entering the grades of under-graduate students from the academic year 2013/2014 until the academic year 2020/2021.
- Designer of a computer program for entering the grades of high-graduate students from the academic year 2013/2014 till September 2025.
- Designer of a computer program for managing student affairs from the academic year 2013/2014 till the academic year 2020/2021.
- Designer of a computer program for managing high-graduate affairs from the academic year 2013/2014 till the academic year 2020/2021.

RESEARCH LINK (Scopus and Google Scholar)

Scopus:

<https://www.scopus.com/authid/detail.uri?authorId=57483313800>

Scholar Link:

<https://scholar.google.com/citations?user=XxIfJI8AAAAJ&hl=en>

ResearchGate:

https://www.researchgate.net/profile/Amr-Abd-El-Mageed?ev=hdr_xprf

ORCID:

<https://orcid.org/0000-0003-1544-4141>

دائرة الموارد البشرية
Human Resources Department

LANGUAGES

- English.
- Arabic.