

CURRICULUM VITAE

Personal Information

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Education

1. College

- * Specialized Scientific Program (SSP), Computer & Communication Engineering, Faculty of Engineering, Alexandria University (From 2011 to 2016).

2. Academic Degrees

- * Sep. 2011 - June 2016: B Sc., with a “Very Good” grade average, in Computer & Communication from Faculty of Engineering, Alexandria University, Alexandria, Egypt.
- * Sep. 2016 - Feb. 2020: M.Sc., with “Excellent” grade average, in Information Technology, from Institute of Graduate Studies & Research, Alexandria University, Egypt.
- * Sep. 2020 – Jan 2024: Ph.D., in Information Technology, from Institute of Graduate Studies & Research, Alexandria University, Egypt.

Languages

Mother Tongue: Arabic

Other languages: English (Excellent)
French (Basic)
German (Basic)

Computer skills

1. Programs

- Microsoft Office
- Microsoft Visual Studio
- Cisco Packet Tracer
- Aurdino
- AutoCAD
- Rails
- Anaconda
- SPSS Statistics

2. Computer Programming languages

- C, C++, Ruby, R, Python, HTML, CSS, PHP, Java, JavaScript, MATLAB, SQL, MySQL & Assembly

Courses

- Python Programming Basics from Information Technology Institute (ITI) Platform, Mahara-Tech “Online Course” (2022)

- Introduction to the Internet of Things from Information Technology Institute (ITI) Platform, Mahara-Tech “Online Course” (2021)
- Ethical Hacking from Information Technology Institute (ITI) Platform, Mahara-Tech “Online Course” (2021)
- Computer Network Fundamentals from Information Technology Institute (ITI) Platform, Mahara-Tech “Online Course” (2021)
- Introduction to Network Security from Information Technology Institute (ITI) Platform, Mahara-Tech “Online Course” (2021)
- Blockchain Fundamentals from Information Technology Institute (ITI) Platform, Mahara-Tech “Online Course” (2021)
- Security of Computer and Information Networks in Arabic from Udemy “Online Course” (2020)
- Computer and Information Networks in Arabic from Udemy “Online Course” (2020)
- Cyber Security in 90 Minutes from Udemy “Online Course” (2020)
- Cyber Security Incident Handling and Response from Udemy “Online Course” (2020)
- Computer Networks Security from Scratch to Advance from Udemy “Online Course” (2020)
- Information Security from Scratch from Udemy “Online Course” (2019)
- IELTS Course in British Council with grade 6 (2018)
- Data Analyst Track from Udacity “Online Course” (2018)
- TOEFL Preparation Program Course in Community Development Centre with a very good grade (2017).
- International Computer Driving License (ICDL) Course (2012)

Work-Experience

- **Full Time**
 - Lecturer of Computer Science at at High Institute of Computer, King Marriott Academy (KMA) (Since 2025 until now).
 - Teaching Assistant of Computer Science at High Institute of Computer, King Marriott Academy (KMA) (Since 2020 until 2025).
 - Demonstrator of Computer Science at the High Institute of Computer, King Marriott Academy (KMA) (From 2017 until 2020).
 - Quality Assurance (QA) Process at Bibliotheca Alexandrina, Quality Assurance Unit, Digital Lab Department, Central Projects & Services Sector (2017).
- **Part Time**
 - Lecturer of Computer Science at Faculty of Computer and Data Science, Alexandria University (Fall 2025-2026).
 - Lecturer of Computer Science at High Institute of Social Service in Alexandria (Fall 2025-2026).
 - Lecturer of Computer Science at Faculty of Computer and Data Science, Alexandria University (Fall, Spring 2024-2025).
 - Lecturer of Computer Science at Faculty of Computer and Data Science, Alexandria University (Spring and Summer 2023-2024).
 - Teaching Assistant of Computer Science at Faculty of Computer and Data Science, Alexandria University (Fall 2023-2024).
 - Teaching Assistant of Computer Science at Alexandria National University, Alexandria University (Spring 2022-2023).
 - Teaching Assistant of Computer Science at Faculty of Computer and Data Science, Alexandria University (Fall, Spring and Summer 2022-2023).
 - Teaching Assistant of Computer Science at the Faculty of Computer and Data Science, Alexandria University (Fall 2021-2022).
 - Teaching Assistant of Computer Science at the Faculty of Computer and Data Science, Alexandria University (Spring 2020-2021).

Teaching Courses

- **Teaching in KMA**
 - * **Networks and Information Security**
 - * **Computers Applications for Report Preparation**
 - * **Internet and Multimedia Applications**
 - * **Introduction to Operating Systems**
 - * **Database (Access and SQL Server)**
 - * **Programing (C, C++, C#, and Visual Studio)**
 - * **Fundamentals of Structural Programming**
 - * **Advanced Structural Programming**
 - * **Information System Analysis and Design**
 - * **Office Application Packages**
 - * **Introduction to Computers**
 - * **Marketing and Electronic Commerce**
 - * **Electronic Bussiness**
 - * **Information Technology Infrastructure**
 - * **Bussiness Analysis and Data Mining**
- **Teaching in the Faculty of Computer and Data Science**
 - * **Introduction to Artificial Intelligence**
 - * **Data Mining and Analytics**
 - * **Introduction to Data Science**
 - * **Internet of Things**
 - * **Internet of Things I**
 - * **Internet of Things II**
 - * **Computer and Network Security**
 - * **Big Data**
 - * **Introduction to Social Networks**
 - * **Social Network Computing**
 - * **Introduction to Computer Systems**
 - * **Smart Systems and Computational Intelligence**
 - * **Data Science Methodology**
- **Teaching in the Faculty of Alexandria National University**
 - * **Introduction to Data Science**
- **Teaching in High Institute of Social Service in Alexandria**
 - * **Computer and Information System**
- **Teaching in the summer school computer course in E.G.C. for Children (2008 /2009).**

Publication

- **Moawad, M.M., Madbouly, M.M., and Guirguis, S.K., “DLBIoT: Deep Learning and Blockchain for IoT Secure Architecture”, International Journal of Intelligent Engineering and Systems, Vol. 16, No. 6, 2023.**
DOI:10.22266/ijies2023.1231.20
- **Moawad, M.M., Madbouly, M.M., and Guirguis, S.K., “Leveraging Blockchain and Machine Learning to Improve IoT Security for Smart Cities”, in proceeding of the 3rd International Conference on Artificial Intelligence and Computer Vision (AICV2023), Lecture Notes on Data Engineering and Communications Technologies, 2023.**
DOI: 10.1007/978-3-031-27762-7_21
- **Darwish, S.M., and Moawad, M.M., “An Adaptive Plagiarism Detection Algorithm based on Semantic Concept and Hierarchical Genetic Algorithm”, in proceeding of the International Conference on Advanced Intelligent Systems and Informatics (AISI'19) 2019, Advances in Intelligent Systems and Computing, Vol. 1058, 2020.**
DOI: 10.1007/978-3-030-31129-2_67

Conferences

- Attended the 5th International Symposium of Food Science and Human Wellness in Wuhan, China during the period 3-4/8/2024.
- Attended the 3rd International Conference on Artificial Intelligence and Computer Vision (AICV2023) 2023 in Marrakesh, Morocco during the period 5-7/2/2023.
- Attended the 5th International Conference on Advanced Intelligent Systems and Informatics (AISII'19) 2019 in Cairo, Egypt during the period 26-28/10/2019.
- Attended the 4th International Conference of Advanced Sciences (ICAS 4) in Hurghada, Egypt during the period 7-10/11/2017.

Reviewer

- A reviewer at the Journal of Machine Learning Research (MLR) from August 1, 2025 to August 1, 2028.
- A reviewer at IEEE Access (2024 - 2025)
- A reviewer at the Journal of Machine Learning Research (MLR) from May 18, 2022 to May 18, 2024.
- A reviewer at the Journal of Internet Technology (2021).
- A reviewer at the 2nd International Conference on Modern Management based on Big Data (MMBD2021) held Online from November 8th-11th, 2021.
- A reviewer at the 2nd International Symposium on Automation, Information, and Computing (ISAIC 2021) held Online from December 3rd-6th, 2021.
- A reviewer at the International Conference on Advanced Machine Learning and Technologies and Applications (AMTLTA2021) in Cairo, Egypt during the period 20-22/3/2020.

Workshops

- Attended Academic Staff Program by Ministry of High Education and Scientific Research (MoHESR) and AWS Academic Hub on 1-10-2023 until -31-12-2023.
- Attended STDF Nature Research Academies: Grant Writing in Collaboration with the EKB on 25-7-2022.
- Attended Publish your Research Open Access with Springer Nature with Fees covered by STDF Nature Research Academies in collaboration with EKB on 28-6-2022.
- Attended STDF Nature Research Academies: Research Methodology in Collaboration with the EKB on 25-5-2022.
- Attended STDF Nature Research Academies: Writing a Research Paper in Collaboration with the EKB on 22-5-2022.
- Attended Petroleum Refining & Petrochemicals training Course presented by the Egyptian Syndicate of Scientific Professions in Alexandria (ESSP-Alex) 24-28/7/2016.
- Attended a Communication Skills workshop conducted in Oil & Gas Skills Alexandria (OGS) on 3/9/2015.

Webcast

- Attended an online webcast about "Writing biomedical research grants - Strategies for success" presented by natural research partnerships – part of Springer Nature on 17/5/2022.
- Attended an online webcast about "Reimagining drug discovery: the significance of artificial intelligence" presented by natural research partnerships – part of Springer Nature on 17/5/2022.