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## CURRICULUM VITAE

**Assoc. Prof. Mohamed Taha Abdelfattah Taha Abdalla**

### Personal Information:

**Name:** Mohamed Taha Abdelfattah Taha Abdalla  
**Address:** 6 Taseem El-Mahlag St., off El-Azizi St.,  
El-Manshia, Benha,  
Kalyobia Governorate,  
Egypt, Postal code 13513.  
**Date of Birth:** January, 10, 1981  
**Place of Birth:** Benha, Kalyobia Governorate, Egypt.  
**Nationality:** Egyptian.  
**Religion:** Moslem.  
**Marital Status:** Married.  
**Military Status:** Finished (December, 1, 2002).



**Profession:** Acting as Vice Dean for Graduate Studies and Research Affairs,  
Faculty of Computers & Artificial Intelligence, Benha University,  
Benha, Egypt.

**Mobile:**

**E-Mail:** *mohamed.taha@fci.bu.edu.eg*  
*moh\_twins@hotmail.com*

### Professional Appointments:

**(Current Position)**  
**(Since 13 March 2022)** Acting as Vice Dean for Graduate Studies and  
Research Affairs, Faculty of Computers & Artificial  
Intelligence, Benha University, Benha, Egypt.

**12 December 2021 – 12 March**  
**2022** Acting as Head of Computer Science Department,  
Faculty of Computers & Artificial Intelligence, Benha  
University, Benha, Egypt.

**31 May 2021– Present** Associate Professor, Computer Science  
Department, Faculty of Computers & Artificial  
Intelligence, Benha University, Benha, Egypt.

**September, 2019 - Present** Coordinator of "Networking and Mobile  
Technologies" program - a distinguished program  
for undergraduate students in credit hours system,  
Faculty of Computers & Artificial Intelligence, Benha  
University, Benha, Egypt

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<b>30 July 2015 – May 2021</b>	Lecturer, Computer Science Department, Faculty of Computers & Artificial Intelligence, Benha University, Benha, Egypt.
<b>October 2009 – July 2015</b>	Lecturer Assistant, Computer Science Department, Faculty of Computers & Informatics, Benha University, Benha, Egypt.
<b>March 2009 – September 2009</b>	Lecturer Assistant, Computer Science Department, Faculty of Computers & Informatics, Suez Canal University, Ismailia, Egypt.
<b>December 2002 - March 2009</b>	Teaching Assistant, Computer Science Department, Faculty of Computers & Informatics, Suez Canal University, Ismailia, Egypt.

<b>Education:</b>
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<b>14 July 2015:</b>	PhD in Computer & Information Sciences, Computer Science Department, Faculty of Computer & Information Sciences, Ain Shams University, Cairo, Egypt.  Thesis Title: " <i>Developing an Approach for Tracking of Multi Moving Objects</i> "
<b>July 2011:</b>	Registered for PhD Degree, Computer Science Department, Faculty of Computer & Information Sciences, Ain Shams University, Cairo, Egypt.
<b>25 February 2011:</b>	Passing the PhD qualification exam, Computer Science Department, Faculty of Computer & Information Sciences, Ain Shams University, Cairo, Egypt.
<b>February 2009:</b>	M.Sc. in Computers & Information Science, Computer Science Department, Faculty of Computer & Information Sciences, Ain Shams University, Cairo, Egypt.  Thesis Title: " <i>Enhancing Association Rules Mining</i> "
<b>April 2005:</b>	Registered for Master Degree, Computer Science Department, Faculty of Computer & Information Sciences, Ain Shams University, Cairo, Egypt.
<b>June 2003:</b>	Passing the pre-master courses with general grade "Very Good", Computer Science Department, Faculty of Computer & Information Sciences, Ain Shams University, Cairo, Egypt.
<b>June 2001:</b>	B.Sc. in Computers & Information Science, Computer Science

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Department, Faculty of Computers & Informatics, Suez Canal University, Ismailia, Egypt.

General Grade: "Very Good with Honor" (80.33%) (The Seventh)  
Grades are equivalent to GPA: 3.1 / 4  
Graduation Project Title: Distance Learning  
Graduation Project Grade: "Excellent"

### Research Interests:

- Computer Vision (Object Tracking-Video Surveillance Systems)
- Digital Forensics (Image Forgery Detection – Document Forgery Detection - Fake Currency Detection)
- Image Processing (OCR)
- Computer Network (Routing Protocols - Security)
- Augmented Reality
- Cloud Computing
- Data Mining (Association Rules Mining-Knowledge Discovery)

### Publications:

#### ➤ **Scientific Papers:**

- 1- Aya H. Allam a, Ibrahim Gomaa, Hala H. Zayed and Mohamed Taha, "**A scalable and Efficient Patient Monitoring Framework,**" *In Applied Soft Computing Journal*, Volume 195, pp. 1-24, June 2026. <https://doi.org/10.1016/j.asoc.2026.114985>
- 2- Sara Sweidan, Norhan A. Farouk, Mohamed Abouhawwash, S. S. Askar & Mohamed Taha, "**DeBERTa-based Framework for Detecting Machine-generated Content on Social Media: A Comparative Study,**" *Journal of Big Data*, Volume 13, Article 10, January 2026. <https://doi.org/10.1186/s40537-025-01349-6>
- 3- Ibrahim Abdelbaky, Mariam Ahmed, and Mohamed Taha, "**Machine Learning Classification Approaches for Prediction of Effective Diabetes Drugs,**" *In Egyptian Informatics Journal*, Volume 31, pp. 1-11, September 2025. <https://doi.org/10.1016/j.eij.2025.100786>
- 4- R.M. Haggag, Eman M. Ali, M.E. Khalifa, and Mohamed Taha, "**Enhanced Multiple Sclerosis Diagnosis by MRI Image Retrieval Using Convolutional Autoencoders,**" *In Egyptian Informatics Journal*, Volume 30, pp. 1-14, June 2025. <https://doi.org/10.1016/j.eij.2025.100698>
- 5- Eman Shehab, Hamada Nayel, and Mohamed Taha, "**OPTUNA Optimization for Predicting Chemical Respiratory Toxicity Using ML Models,**" *Journal of Computer-Aided Molecular Design*, Volume 39, Article Number 21, April 2025. <https://doi.org/10.1007/s10822-025-00597-1>

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- 6- R.M. Haggag, Eman M. Ali, M.E. Khalifa, and Mohamed Taha, "**Multiple Sclerosis Diagnosis with Brain MRI Retrieval: A Deep Learning Approach,**" *In Results in Control and Optimization*, Volume 18, pp. 1-14, February 2025. <https://doi.org/10.1016/j.rico.2025.100533>
  - 7- Aya H. Allam, Ibrahim Gomaa, Hala H. Zayed, and Mohamed Taha, "**IoT-based eHealth using blockchain technology: a survey,**" *In Cluster Computing Journal*, Springer, Volume. 27, pp. 7083–7110, April 2024. <https://doi.org/10.1007/s10586-024-04357-y>
  - 8- Metwally Rashad, Mahmoud Mansour, and Mohamed Taha, "**An Efficient Approach for Automatic Melanoma Detection Based on Data Balance and Deep Neural Network,**" *In Journal of Computing and Communication*, Volume 3, Number 1, pp. 22-32, 2024.
  - 9- Omar Salah, Ahmed Elsayy, and Mohamed Taha, "**A Hybrid Algorithm for Enhancement of the Data Security During Network Transmission Based on RSA, DH, and AES,**" *In International Journal of Intelligent Engineering and Systems*, Volume 17, Number 3, 2024. <https://doi.org/10.22266/ijies2024.0630.04>
  - 10- Naglaa F. EL Abady, Hala H. Zayed, and Mohamed Taha, "**Source Printer Identification Using Convolutional Neural Network and Transfer Learning Approach,**" *In IAES International Journal of Artificial Intelligence (IJ-AI)*, Volume 13, Number 1, pp. 948–960, March 2024. <http://doi.org/10.11591/ijai.v13.i1.pp948-960>
  - 11- Deema Mohammed Alsekait, Hanaa Fathi, Mohamed Taha, Ahmed Taha, Ayman Nabil, Asif Nawaz, Zohair Ahmed, Mohammad Alshinwan, Mohamed F. Issa, and Diaa Salama AbdElminaam, "**Empowering Retail Dual Transformer-Based Profound Product Recommendation Using Multi-Model Review,**" *Journal of Organizational and End User Computing*, Volume 36, Issue 1, pp.1-25, January-December 2024. <https://doi.org/10.4018/JOEUC.358002>
  - 12- Naglaa F. EL Abady, Hala H. Zayed, and Mohamed Taha, "**An Efficient Technique for Detecting Document Forgery in Hyperspectral Document Images,**" *In Alexandria Engineering Journal*, Volume 85, pp. 207–217, 2023. <https://doi.org/10.1016/j.aej.2023.11.040>
  - 13- Heba R. Elgabri, Mohamed S. Hassanein, Ahmed A. El-Sawy, and Mohamed Taha, "**Blockchain Authentication Access Control Framework to Secure IoT Devices in Smart Cities,**" *Journal of Southwest Jiaotong University*, Volume 58, Number 4, pp. 736-756, August 2023. <https://doi.org/10.35741/issn.0258-2724.58.4.56>
  - 14- Omar Salah, Ahmed Elsayy, and Mohamed Taha, "**A Hybrid Algorithm for Enhancement of the Data Security during Network Transmission Based on RSA and DH,**" *In International Journal of Intelligent Engineering and Systems*, Volume 16, Number 3, 2023. <https://doi.org/10.22266/ijies2023.0630.49>

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- 15- Marina Azer, Mohamed Taha, Hala H. Zayed, and Mahmoud Gadallah, **"Automated COVID-19 Misinformation Checking System Using Encoder Representation with Deep Learning Models,"** *IAES International Journal of Artificial Intelligence (IJ-AI)*, Volume 12, Number 1, pp. 488-495, March 2023.
  - 16- Nsrin Ashraf, Fathy Elkazaz, Mohamed Taha, and Hamada Nayel, **"BFCAL at SemEval-2022 Task 6: Multi-Layer Perceptron for Sarcasm Detection in Arabic Texts,"** *In Proceedings of the 16th International Workshop on Semantic Evaluation (SemEval-2022)*, Association for Computational Linguistics, Seattle, Washington, United States, pp. 881-884, July 2022.
  - 17- Nsrin Ashraf, Hamada Nayel and Mohamed Taha, **"A Comparative Study of Machine Learning Approaches for Rumors Detection in Covid-19 Tweets,"** *In Proceedings of the 2nd International Mobile, Intelligent, and Ubiquitous Computing Conference (MIUCC)*, Cairo, Egypt, pp. 384-387, May 2022.
  - 18- Nsrin Ashraf, Mohamed Taha, Ahmed Taha and Hamada Nayel, **"NAYEL @LT-EDI-ACL2022: Homophobia/Transphobia Detection for Equality, Diversity, and Inclusion using SVM,"** *In Proceedings of the Second Workshop on Language Technology for Equality, Diversity and Inclusion, Association for Computational Linguistics*, Dublin, Ireland, pp. 287-290, May 2022.
  - 19- Nsrin Ashraf, Hamada Nayel and Mohamed Taha, **"Misinformation Detection in Arabic Tweets: A Case Study about COVID-19 Vaccination,"** *Benha Journal of Applied Sciences (BJAS)*, Volume 7, Issue 5, pp. 265-268, May 2022.
  - 20- Naglaa F. El Abady, Mohamed Taha, and Hala H. Zayed, **"Text-Independent Algorithm for Source Printer Identification Based on Ensemble Learning,"** *In Computers, Materials & Continua (CMC)*, Volume 73, Number 1, pp. 1417-1436, May 2022. DOI: 10.32604/cmc.2022.028044
  - 21- Mohamed I. Sayed, Mohamed Taha, And Hala H. Zayed, **" Real-Time Dorsal Hand Recognition Based on Smartphone,"** *IEEE Access*, Volume 9, pp. 151118 - 151128, November 2021. DOI: 10.1109/ACCESS.2021.3126709
  - 22- Mohamed Taha, Noha Abd-ELkareem, and Mazen Selim, **"Real-time Arabic Text-Reading for Visually Impaired People,"** *In the International Journal of Sociotechnology and Knowledge Development (IJSKD)*, Volume 13, Issue 3, April-June 2021.
  - 23- Marina Azer, Mohamed Taha, Hala H. Zayed and Mahmoud Gadallah **"Credibility Detection on Twitter News Using Machine Learning Approach,"** *In International Journal of Intelligent Systems and Applications (IJISA)*, Modern Education and Computer Science (MECS), March 2021.
  - 24- Daa Salama AbdELminaam, Fatma Helmy Ismail, Mohamed Taha, Ahmed Taha, Essam H. Houssein and Ayman Nabil, **"CoAID-DEEP: An Optimized Intelligent Framework for Automated Detecting COVID-19 Misleading information on Twitter,"** *IEEE Access*, Volume 9, pp. 1-28, February 2021. <https://doi.org/10.1109/ACCESS.2021.3058066>

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- 25- Diaa Salama AbdELminaam, Abdulrhman M. Almansori, Mohamed Taha, and Elsayed Badr, "**A Deep Facial Recognition System Using Computational Intelligent Algorithms**," *PLoS ONE*, Volume 15, Number 12, December 2020. <https://doi.org/10.1371/journal.pone.0242269>
  - 26- Diaa Salama Abd Elminam, Mohamed Taha, and Ayman Nabil, "**Improving HealthCare using Smart Medical Refrigerator Barcode Reader System**," *In the International Journal of Computer Science and Network Security (IJCSNS)*, pp. 1-8, Volume 20, Number 10, October 2020. <https://doi.org/10.22937/IJCSNS.2020.20.10.1>
  - 27- Diaa Salama AbdElminaam, Ahmed A. Toony, and Mohamed Taha, "**Resource Allocation in the Cloud Environment Based on Quantum Genetic Algorithm Using Kalman Filter with ANFIS**," *In the International Journal of Computer Science and Network Security (IJCSNS)*, Volume 20, Number 10, pp. 9-16, October 2020. <https://doi.org/10.22937/IJCSNS.2020.20.10.2>
  - 28- Mohamed Taha, Mohamed Ibrahim, and Hala H. Zayed, "**Digital Vein Mapping Using Augmented Reality**," *In the International Journal of Intelligent Engineering and Systems*, Volume 13, Number 6, pp. 512-521, October 2020. DOI: 10.22266/ijies2020.1231.45
  - 29- Mohamed Taha, Mazen M. Selim, and Ahmed Yousry, "**A Secured Digital Handwritten Signature Prototype for Visually Impaired People**," *In the International Journal of Intelligent Engineering and Systems*, Volume 13, Number 5, pp. 307-316, October 2020. DOI: 10.22266/ijies2020.1031.28
  - 30- Rawan Fayez, Mohamed Taha, and Mahmoud Gadallah, "**Occluded Object Tracking System (OOTS)**," *In the International Journal of Service Science, Management, Engineering, and Technology*, Volume 11, Issue, pp. 65-81, July-September 2020. DOI: 10.4018/IJSSMET.2020070105
  - 31- Abdulrahman Sabra, Mohamed Taha, and Dina S. M. Hassan, "**The Novel Stick Clustering Algorithm and its Applications for Ad-hoc Networks**," *In the International Journal of Intelligent Engineering and Systems*, Volume 13, Number 3, pp. 177-188, June 2020. DOI: 10.22266/ijies2020.0630.17
  - 32- Aya H.Allam, Mohamed Taha and Hala H.Zayed, "**Enhanced Zone-Based Energy Aware Data Collection Protocol for WSNs (E-ZEAL)**," *In the Journal of King Saud University – Computer and Information Sciences*, October 2019 <https://doi.org/10.1016/j.jksuci.2019.10.012>
  - 33- Ahmed Yousry, Mohamed Taha and Mazen M.Selim, "**Currency Recognition System for Blind people using ORB Algorithm**," *In the International Arab Journal of e-Technology*, Volume 5, Number 1, pp. pp. 34-40, January 2018.
  - 34- Hala Zayed, Mohamed Taha and Aya H. Allam, "**Energy Efficient Routing in Wireless Sensor Networks: A Survey**" *In Proceedings of the International Conference on electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC)*, Vellore, Tamil Nadu, India, January 2018.

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- 35- Mohamed Taha, Hala H. Zayed, Taymoor Nazmy, and M. E. Khalifa " **Day/Night Detector for Vehicle Tracking in Traffic Monitoring Systems,**" *In International Journal of Computer, Electrical, Automation, Control and Information Engineering (IJCEACIE)*, World Academy of Science, Engineering and Technology, Volume 10, Number 1, pp. 98-104, January 2016.
  - 36- Mohamed Taha, Hala H. Zayed, M. E. Khalifa, and Taymoor Nazmy, " **Multi Objects Tracking in Nighttime Traffic Scenes,**" *In Proceedings of the 7th International Conference on Information Technology (ICIT 2015)*, Al-Zaytoonah University of Jordan, Amman, Jordan, pp. 8-16, May 2015.
  - 37- Mohamed Taha, Hala H. Zayed, Taymoor Nazmy and M. E. Khalifa, "**Multi-Vehicle Tracking Under Day and Night Illumination,**" *In the International Journal of Scientific & Engineering Research (JSER)*, Volume 5, Issue 11, pp. 837-848, November 2014.
  - 38- Mohamed Taha, Hala H. Zayed, M. E. Khalifa, and Taymoor Nazmy, "**An Efficient Method for Multi Moving Objects Tracking at Nighttime,**" *In The International Journal of Computer Science Issues (IJCSI)*, Volume 11, Issue 6, Number 1, pp. 17-27, November 2014.
  - 39- Mohamed Taha, Hala H. Zayed, M. E. Khalifa, and Taymoor Nazmy, "**Moving Shadow Removal for Multi-Objects Tracking in Outdoor Environments,**" *In The International Journal of Computer Applications (IJCA)*, Foundation of Computer Science, New York, USA, Volume 97, Number 10, pp. 43-51, July 2014.
  - 40- Mohamed Taha, Hala H. Zayed, M. E. Khalifa, and Taymoor Nazmy, "**Moving Shadow Removal for Object Tracking,**" *In Proceedings of The Sixth International Conference on Intelligent Computing and Information Systems (ICICIS 2013)*, Cairo, Egypt, pp. 131-141, December 2013.
  - 41- Mohamed Taha, Tarek F. Gharib, and Hamed Nassar, "**DARM: Decremental Association Rules Mining,**" *In the Journal of Intelligent Learning Systems and Applications (JILSA)*, Volume 3, Number 3, pp. 181-189, August 2011.
  - 42- Tarek F. Gharib, Hamed Nassar, Mohamed Taha, and Ajith Abraham, "**An Efficient Algorithm for Incremental Mining of Temporal Association Rules,**" *In the Journal of Data & Knowledge Engineering (DKE)*, Elsevier, Volume 69, Issue 8, ISSN 0169-023X, pp. 800 – 815, August 2010.
  - 43- Mohamed Taha, Hamed Nassar, and Tarek F. Gharib, "**ITARM: Incremental Temporal Association Rules Mining,**" *In the Egyptian Computer Science Journal*, Volume 30, Number 3, pp.14 - 25, September 2008.
  - 44- Tarek F. Gharib, Mohamed Taha and Hamed Nassar, "**An Efficient Technique for Incremental Updating of Association Rules,**" *In the International Journal of Hybrid Intelligent Systems (IJHIS)*, IOS Press, Volume 5, Number 1, ISSN: 1448-5869, pp.45 – 53, January 2008.

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➤ **Scientific Papers (In Arabic):**

- 1- M. E. Khalifa, Mohamed Taha, and Ahmed Taha, " **Geographic Information Systems and Their Applications in Security,**" *In Post-Graduate Studies College Review, Police Academy, Egypt*, Issue no. 28, pp. 53-87, March 2013.
- 2- M. E. Khalifa, Mohamed Taha, and Ahmed Taha, "**Use of Video Surveillance Systems in Detecting and Preventing Crime,**" *In Post-Graduate Studies College Review, Police Academy, Egypt*, Issue no. 27, pp. 113-145, October 2012.
- 3- M. E. Khalifa, Mohamed Taha, and Ahmed Taha, "**Image Forgery Detection Survey,**" *In Post-Graduate Studies College Review, Police Academy, Egypt*, Issue no. 25, pp. 19-56, October 2011.

<b>Awards:</b>
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| <b>September 2025:</b> | <b>Certificate of Appreciation for excellence in scientific research and international publication,</b> The Eleventh Day of Scientific Excellence 2025, Benha University, Benha, Egypt |
| <b>September 2022:</b> | <b>Certificate of Appreciation for excellence in scientific research and international publication,</b> The Eighth Day of Scientific Excellence 2022, Benha University, Benha, Egypt   |
| <b>January 2021:</b>   | <b>Certificate of Appreciation for excellence in scientific research and international publication,</b> The Seventh Day of Scientific Excellence 2021, Benha University, Benha, Egypt  |
| <b>December 2017:</b>  | <b>Certificate of Appreciation for excellence in scientific research and international publication,</b> The Third Day of Scientific Excellence 2017, Benha University, Benha, Egypt    |
| <b>December 2013:</b>  | <b>Best Paper Award,</b> The Sixth International Conference on Intelligent Computing and Information Systems (ICICIS 2013), 14-16 December 2013, Cairo, Egypt                          |

<b>Invited Lectureships and Oral Presentations:</b>
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| <b>25-31 May 2025</b> | Invited professor, Lecture entitled " <b>Forensic Document Examination</b> ", An invitation from the Faculty of Information Technology, University of Pannonia, Veszprem, Hungary, in the framework of the ERASMUS staff mobility for teaching program between Pannonia University, Hungary, and Benha University, Egypt. |
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- May 2017 – May 2019** Invited lecturer, “**Risks of using the Internet**”, *Training course for developing the skills of police personnel*, Qalyubia Security Directorate, Benha, Egypt.
- 20-21 November 2016** Invited speaker, “**Surveillance Systems: Research Trends and Behavior Analysis**”, *Video New Trends in Research and Technology Workshop*, Electronics Research Institute(ERI), Ministry of Scientific Research, Cairo, Egypt.
- 2 – 3 November 2016** Invited speaker, “**Smart Video Surveillance**”, *Biometrics and Computer Science Workshop*, Faculty of Computer & Information Sciences, Ain Shams University, Cairo, Egypt.

#### **Delegated Part-time Faculty Member in:**

- Air Defense College, Egyptian Military Academy, New Administrative Capital, Egypt.
- Faculty of Computer Science, Misr International University (MIU), Obour, Egypt
- Faculty of Computer Science, Benha National University (BNU), Obour City, Egypt.
- Post-Graduate Studies College, Police Academy, Egypt
- Faculty of Engineering and Technology, Egyptian Chinese University (ECU), Cairo, Egypt.
- School of Information Technology & Computer Science (ITCS), Nile University (NU), Sheikh Zayed, Giza, Egypt.
- Canadian International College (CIC), New Cairo, Egypt.
- High Institute of Engineering, City of Culture and Science, 6th of October City, Egypt.
- Higher Future Institute for Specialized Technological Studies, Future Academy, El-Shorouk, Cairo, Egypt.

#### **University Activities:**

- Coordinator of the Organizing Committee for the First Benha University Robotics Championship, from September 14 to 15, 2025.

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- Establishing, approving, and activating the regulations for professional diploma programs with fees based on the credit hour system for postgraduate studies, which include three study programs (Professional Diploma Program in “Applied Artificial Intelligence” - Professional Diploma Program in “Business Intelligence” - Professional Diploma Program in “Medical Informatics” - Faculty of Computers and Artificial Intelligence, Benha University (August 2025)
  - Member of the jury in the "Smart Government Hackathon" competition organized by Benha University from 11 to 13 February 2023
  - Establishing, publishing, and serving as editor-in-chief of the International Journal of Applied Intelligent Computing and Informatics (IJAIICI) - a peer-reviewed scientific journal specializing in computer science and artificial intelligence published by the Faculty of Computers and Artificial Intelligence - Benha University (ISSN 2974-3958 Online) (from October 2022 until now)
  - Co-chairman, “Engineering, Computer and Technology” session, the 1<sup>st</sup> Annual Conference of Post Graduate Studies for Applied Science (PGASC), 7-8 May 2022.
  - Member of the jury in the "Smart Cities Hackathon" competition organized by Benha University from 24 to 26 March 2022
  - Participation in the preparation of the academic regulations for the credit hours system for the programs of the Faculty of Computer Science - Benha National University - El-Obour - Egypt (November 2020 to February 2021)
  - Participating in organizing of the Fourth Olympiad of Computers and Informatics (OCI – Benha 2020) in cooperation with the Committee of Computers and Informatics in the Supreme Council of Universities on February 19, 2020 - Faculty of Computers and Artificial Intelligence, Benha University, Benha, Egypt.
  - Director Huawei ICT Academy, Benha University, Benha, Egypt. (September, 2019 – Present)
  - Founder and coordinator of "Networking and Mobile Technologies" program - a distinguished program for undergraduate students in credit hours system, Faculty of Computers & Artificial Intelligence, Benha University, Benha, Egypt (September, 2019 - Present)
  - Participating in organizing the second International Conference of Computing and Informatics (ICCI 2019) on April 16, 2019 - Faculty of Computers and Artificial Intelligence, Benha University, Benha, Egypt.
  - Participating in the development and preparation of the internal academic regulations for Bachelor's degree with credit hours system - Faculty of Computers and Artificial Intelligence, Benha University, Benha, Egypt. (March 2019 to September 2019)

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- Director of Information Technology Consultation & Research Center (ITCRC), Faculty of Computers & Artificial Intelligence, Benha University, Benha, Egypt. (April, 2018 – September, 2022)
  - Coordinator of academic cooperation between Faculty of Computers & Artificial Intelligence, Benha University and IBM Corporation. (August, 2017 – Present)
  - Head of the Fourth Year Control, Faculty of Computers and Artificial Intelligence, Benha University, Benha, Egypt. (December, 2018 – March, 2022)
  - Participating in organizing the first Post Graduate Informatics Conference (PGIC-1) on March 19, 2017 - Faculty of Computers and informatics, Benha University, Benha, Egypt.
  - Leader of a student family named " "mn ajl misr" within the participation in student activities, Faculty of Computers and Informatics, Benha University, Benha, Egypt. (2017 –2018)
  - Manager of Cisco Academy, Faculty of Computers and Informatics, Benha University, Benha, Egypt. (August, 2016 – Present)
  - Consultant member, IT Units project, Information and Communication Technology Project (ICTP), Project Management Unit (PMU), Ministry of Higher Education, Cairo, Egypt (September, 2012 – June, 2019)
  - Manager of the Accredited ICDL Testing & Training Center, Faculty of Computers and Informatics, Benha University, Benha, Egypt. (February, 2010 – July, 2012)
  - Member and Chairman of several technical committees for procurement tenders within the college and university (October, 2009 - Present)
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  - Member, Quality Assurance and Accreditation Project (QAAP), Faculty of Computers and Informatics, Benha University, Benha, Egypt. (October, 2009 - October, 2010)
  - Participating in the preparation of the training courses catalog for the Scientific & Technological Information Center, Suez Canal University, Ismailia, Egypt. (2009)
  - Consultant member, Quality Assurance and Accreditation Project (QAAP), Faculty of Computers and Informatics, Benha University, Benha, Egypt. (April, 2009 - September, 2009)
  - Participating in updating the Faculty Bylaw for both undergraduates and postgraduates, Faculty of Computers and Informatics, Suez Canal University, Ismailia, Egypt. (2008)
  - Designing & developing the official website of the Information & Communication Technology Project (ICTP), Suez Canal University, Ismailia, Egypt. (2008)

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- Member, Quality Assurance and Accreditation Project (QAAP), Faculty of Computers and Informatics, Suez Canal University, Ismailia, Egypt. (April, 2008 - September, 2009)
  - Member, Enhancing the Universities' Information Network Infrastructure project, Suez Canal University, Ismailia, Egypt. (2005)
  - Designing & developing the official website of the Medical Education Department, Faculty of Medicine, Suez Canal University, Ismailia, Egypt. (2005)
  - Updating & developing the official website of the Suez Canal University, Ismailia, Egypt.(2004 - 2006)
  - Updating & developing the official website of the Faculty of Computers & Informatics, Suez Canal University, Ismailia, Egypt. (2003 - September, 2009)

### **Courses Taught:**

#### ➤ **Undergraduate Courses:**

- Introduction to Computer Science
- Structured Programming
- Data Structures
- Object-Oriented Programming
- File Processing & Organization
- Operating Systems
- Computer Networks & Data Transmission
- Advanced Computer Networks
- Network Security
- Distributed Systems
- Geographic Information Systems (GIS)
- Compiler Theory
- Image Processing
- Mobile Applications Development
- Web Programming
- Ethical Hacking

#### ➤ **Postgraduate Courses:**

- Network Security and Cryptography (Master Students)
- Digital Image Processing and Pattern Recognition (Master Students)
- Computational Biology (Master Students)
- Kernel Methods in Bioinformatics (PhD Students)
- Web Mining (PhD Students)
- Advanced Text Processing (PhD Students)

## Thesis and Dissertation Supervision:

### ➤ M.Sc. Thesis:

#	Student Name	Thesis Title	Registration Date	Awarding Date
1	Ahmed Yousry abdelatar Zalouk	Enhancing Mobile Assistive Technologies for Visually Impaired People	22/10/2015	30/12/2019
2	Aya Hattem Allam Allam	Enhancing Routing Protocols in Wireless Sensor Networks	24/3/2015	13/4/2020
3	Abdelrahman Sabra Abdelraheem	Enhancing Clustering Algorithm for ad-hoc Networks	22/10/2015	29/9/2020
4	Mohammed Ibrahim Sayed	Digital Vein Mapping using Augmented Reality	21/12/2016	3/2/2022
5	Noha Abdelkrim Eldemerdash	Real-time Text Reading for Blind People	26/9/2016	19/5/2021
6	Rawan Fayez Mostafa	Robust Tracking for Partially or Fully Occluded Moving Objects	27/11/2017	13/9/2021
7	Heba Reda Abdel Samie	Access Control Framework to Secure Internet of Things Using Block Chain	24/10/2019	5/2024
8	Omar Salah Eldin Mohamed	Enhancement of the Data Security during Network Transmission	29/8/2021	8/2024
9	Ahmed Fahmy Abdel Hamid	Malicious Account Detection on Social network	26/9/2021	In Progress
10	Nisreen Ashraf Ibrahim	Rumors Detection on Social Platforms using NLP Methods	28/2/2022	8/2023
11	Tarek Mohamed Mohamed Elgaml	Feature Extraction Enhancement for Human Action Recognition	27/6/2022	In Progress
12	Mahmoud Bassiouni Mansour	Automatic segmentation and classification for Melanoma skin cancer diagnosis	25/7/2022	In Progress
13	Rana Mohamed Mahmoud Ali	Tumor Detection based on 3D visualization in medical image	28/11/2022	10/7/2025
14	Doaa Mohammed Mohammed Ibrahim	Forensic Facial Reconstruction for Crime Investigation	28/11/2022	10/7/2025
15	Ahmed Abu Al-Hayjat Farjani	Dimension reduction for medical big data using optimization algorithms	26/12/2022	In Progress
16	Maryam Gaber Ahmed	Personalization of Diabetes Treatment using Artificial Intelligence Techniques	26/12/2022	In Progress
17	Nourhan Ahmed Farouk	Security attack Prediction based on user sentiment analysis	22/1/2024	In Progress
18	Faika Ibrahim Gharib	Enhancing the chatbot's security against cyber attacks	21/5/2024	In Progress
19	Nourhan Sobhi Mohamed Mohamed	Enhancing Reliability in Natural Language Data Access	22/7/2025	In Progress
20	Fadi Maher Mazhour Barah	Enhancing image Synthetic Generation for Brain Anomaly Detection	24/9/2025	In Progress

➤ **PhD Thesis:**

#	Student Name	Thesis Title	Registration Date	Awarding Date
1	Naglaa Fathy Khalil	Documents Forgery Detection	16/7/2018	13/11/2023
2	Marina Essam Badea	Credibility Detection on Social Media Using Machine Learning Approach	19/12/2019	16/4/2025
3	Aya Hattem Allam Allam	A secure and efficient IOT based in Healthcare Monitoring using Block chain Technology	26/9/2021	In Progress
4	Eman Abdel Basset Shehab	An Enhanced Approach for Molecular Toxicity Prediction Using Artificial Intelligence	25/10/2022	11/8/2025
5	Rasha Mohammed Ezz El-Din Mohammed	Content – Based Medical Image Retrieval system (CBMIR)	30/5/2023	In Progress
6	Abdelrahman Sabra Abdelraheem	Enhanced Penetration Testing Technique Based on Generative Models	25/6/2024	In Progress
7	Abdelrahman Samy Abdul Hafeez	Cryptographic algorithm using unconventional number bases and dynamic equations-based ciphers	22/7/2025	In Progress

**Technical Skills:**

**Programming/Scripting Languages:**

C#, Visual C++ .NET and Visual Basic .NET  
Java  
Active Server Pages (ASP)  
C++, Visual C++ and Visual Basic  
Assembly, Prolog and Lisp  
Scripting Languages (Java Script, VB Script)

**Programming Paradigms:**

Structured Programming  
Object-Oriented Programming  
Logic Programming

**Developing Tools:**

MATLAB  
OpenCV  
Android Studio

**Graphics Tools:**

Adobe Photoshop  
Macromedia Flash

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3D Studio Max  
Adobe Premier

**Web Design Tools:**

MS Expression (Web / Design)  
Macromedia Dreamweaver  
Adobe GoLive

**Database Development Tools:**

MS Access and My SQL

**Operation Systems:**

Windows 11, Windows 10, Windows 8, Windows 7, Windows Vista, Windows XP, Windows NT, Windows 9X, DOS  
Linux

**Software and Technologies:**

ArcGIS  
FTP Programs  
Microsoft Office Suite (Word, Excel, PowerPoint etc.)  
Website Usability and CSS

<b>Accredited Certificates:</b>
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<b>18 November 2019</b>	<b>“Cisco Certified Network Associate Cybersecurity Operations (CCNA Cyber Ops)”</b> , Instructors Training, Cisco Network Academy, National Telecommunication Institute (NTI), Cairo, Egypt.
<b>16 September 2019</b>	<b>“Cloud Application Developer 2019 Mastery Award”</b> , IBM Middle East and Africa, Cairo Egypt.
<b>20 July 2017</b>	<b>“Cloud Application Developer Mastery Award for Students 2017”</b> , IBM Middle East and Africa, Cairo Egypt.
<b>1 December 2016</b>	<b>“Big Data Developer Mastery Award”</b> , IBM Middle East and Africa, Cairo Egypt.
<b>28 July 2016</b>	<b>“Cisco CCNA Security”</b> , Instructors Training, Cisco Network Academy, Information Technology Training Center (ITTC), Central Agency for Public Mobilization and Statistics (CAPMAS), Cairo, Egypt.

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16 June 2016

**“Cisco Certified Network Associate Routing & Switching (CCNA)”**, Instructors Training, Cisco Network Academy, Information Technology Training Center (ITTC), Central Agency for Public Mobilization and Statistics (CAPMAS), Cairo, Egypt.

<b>Training Courses:</b>
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➤ **Specialization Training:**

13-17 October 2019

**“HCIA-Cloud Computing V4.0”**, a training Program offered by HUAWEI, held at Huawei Technologies Company, Smart Village, Egypt.

27 August - 18 September 2018

**“Ethical Hacking CEH V10”**, a course offered by Information Technology Institute (ITI), held at Faculty of Computers & Informatics, Benha University, Benha, Egypt.

15-20 July 2017

**“Cloud Application Developer”**, IBM Middle East and Africa, Nile University, Sheikh Zayed City, Egypt.

19 November - 1 December 2016

**“Big Data Developer”**, IBM Middle East and Africa, Supreme Council of Universities, Cairo University, Giza, Egypt.

28 August 2016

**“Modern Knowledge Cycle”**, Elsevier Inc., Benha University, Benha, Egypt.

17 July - 28 July 2016

**“Cisco CCNA Security – Full Track”**, Instructors Training, Information Technology Training Center (ITTC), Central Agency for Public Mobilization and Statistics (CAPMAS), Cairo, Egypt.

15 May - 16 June 2016

**“Cisco Certified Network Associate Routing & Switching (CCNA)”**, Instructors Training, Information Technology Training Center (ITTC), Central Agency for Public Mobilization and Statistics (CAPMAS), Cairo, Egypt.

29 - 30 January 2012

**“ArcGIS Desktop III: GIS Workflows and Analysis”** course, ESRI Northeast Africa Training Center, 2 Mesaha Square, El-Dokki, Giza, Egypt.

22 - 24 January 2012

**“ArcGIS Desktop II: Tools and Functionality”** course, ESRI Northeast Africa Training Center, 2 Mesaha Square, El-Dokki, Giza, Egypt.

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➤ **Academic Training:**

- 25 - 26 August 2025** “**University Administration**” course, Faculty and Leadership Development Center (FLDC), Benha University, Benha, Egypt.
- 20 - 21 August 2025** “**Total Quality Management**” course, Faculty and Leadership Development Center (FLDC), Benha University, Benha, Egypt.
- 27 - 28 July 2025** “**Self-Assessment and External Review**” course, Faculty and Leadership Development Center (FLDC), Benha University, Benha, Egypt.
- 20 - 21 January 2025** “**Financial and Legal Aspects of Universities**” course, Faculty and Leadership Development Center (FLDC), Benha University, Benha, Egypt.
- 13 - 14 January 2025** “**Research Team Management**” course, Faculty and Leadership Development Center (FLDC), Benha University, Benha, Egypt.
- 14 - 15 October 2024** “**Academic Advising and Psychological & Social Support**” course, Faculty and Leadership Development Center (FLDC), Benha University, Benha, Egypt.
- 17 - 19 August 2020** “**Statistical Analysis Using SPSS**” course, Information Technology Training Unit, Benha University, Benha, Egypt.
- 15 - 16 July 2020** “**Competitive Research Projects**” course, Faculty and Leadership Development Center (FLDC), Benha University, Benha, Egypt.
- 15 - 16 July 2020** “**International Scientific Publishing**” course, Faculty and Leadership Development Center (FLDC), Benha University, Benha, Egypt.
- 3 - 4 June 2020** “**Laboratory Safety**” course, Faculty and Leadership Development Center (FLDC), Benha University, Benha, Egypt.
- 15 - 16 April 2020** “**Website Management**” course, Faculty and Leadership Development Center (FLDC), Benha University, Benha, Egypt.
- 15 - 16 April 2020** “**Self-assessment and External Auditing**” course, Faculty and Leadership Development Center (FLDC), Benha University, Benha, Egypt.

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<b>7 – 12 March 2015</b>	<b>“Faculty Preparation”</b> course, Faculty of Education, Benha University, Benha, Egypt.
<b>11 – 12 February 2015</b>	<b>“Programs Specification and Curriculum Maps”</b> course, Quality Assurance and Accreditation Center (QAAC), Benha University, Benha, Egypt.
<b>7 – 8 February 2015</b>	<b>“External Auditing”</b> course, Quality Assurance and Accreditation Center (QAAC), Benha University, Benha, Egypt.
<b>4 – 5 February 2015</b>	<b>“Self-assessment”</b> course, Quality Assurance and Accreditation Center (QAAC), Benha University, Benha, Egypt.
<b>31 January – 1 February 2015</b>	<b>“Strategic Planning”</b> course, Quality Assurance and Accreditation Center (QAAC), Benha University, Benha, Egypt.
<b>27 - 29 January 2015</b>	<b>“Strategic Planning”</b> course, Faculty and Leadership Development Center (FLDC), Benha University, Benha, Egypt.
<b>20 - 22 January 2015</b>	<b>“Self-assessment and External Auditing”</b> course, Faculty and Leadership Development Center (FLDC), Benha University, Benha, Egypt.
<b>13 - 15 January 2015</b>	<b>“Communication Skills”</b> course, Faculty and Leadership Development Center (FLDC), Benha University, Benha, Egypt.
<b>23 - 25 December 2014</b>	<b>“Scientific Research”</b> course, Faculty and Leadership Development Center (FLDC), Benha University, Benha, Egypt.
<b>20 - 22 December 2008</b>	<b>“Credit Hours System”</b> program, Faculty and Leadership Development Project (FLDP), University Education Development Center, Suez Canal University, Ismailia, Egypt.
<b>12 - 14 August 2008</b>	<b>“Scientific Research Methods”</b> program, Faculty and Leadership Development Project (FLDP), University Education Development Center, Suez Canal University, Ismailia, Egypt.
<b>29 - 31 July 2008</b>	<b>“Scientific Research Ethics”</b> program, Faculty and Leadership Development Project (FLDP), University Education Development Center, Suez Canal University, Ismailia, Egypt.

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20 - 31 July 2008

**“Professional and Educational Preparation for Faculty Members”** program (Effective Teaching, Technology Usage in Teaching, Microteaching), Faculty and Leadership Development Project (FLDP), University Education Development Center, Suez Canal University, Ismailia, Egypt.

➤ **General Training:**

31 July - 2 August 2022

**"Training program in the field of combating corruption and governance for cadres of ministries, governorates and universities"** - National Anti-Corruption Academy - Administrative Control Authority, Cairo, Egypt

**Undergraduate Training:**

- One month in El Kateb El Masry Training Center (An IBM certified training center), Ismailia, Egypt. (January 2001)
- Three months in Egyptware Company for Web Development & Internet Applications (Distance learning – E-Marketing – Cyber Communities...), Cairo, Egypt. (July- September 2000)
- Two months in Mohandes Company for Computers & Information Systems (MIS), Cairo, Egypt. (June-July 2000)

**Projects:**

- Designing & developing an Islamic website for High Quality – Tarek Abd Allah Company for Artistic Production and Distribution.  
<http://www.highquality-islamic.com/> (Released from April, 2007 to April, 2009)
- Designing & developing the Benha Online website.  
[www.BenhaOnline.com](http://www.BenhaOnline.com) (Released from October, 2003 to October, 2007)
- Co-operating with UNESCO - Cairo Office to develop and upgrade the graduation project [WebCAT project - Web Course Management Software] (2003).

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**Languages:**

- Arabic (mother tongue)
- English (very good in reading, writing and good in speaking)

**References:**

References are available upon request.