

AHMED ELDOUH

Assistant Professor in Cybersecurity

CONTACT

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WEBPAGE

WEBSITE, PORTFOLIO, PROFILES

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- **Google Scholar:** https://scholar.google.com.eg/citations?hl=en&user=eGZioxgAAAAJ
- **ResearchGate**: https://www.researchgate.net/profile/Ahmed-Eldouh
- **LinkedIn**: https://www.linkedin.com/in/ahmed-el-douh-6b6b81a6
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EDUCATION

December 2023
Ph.D.: Cyber Security
Huazhong University of Science and Technology (**79 Academic Ranking of World Universities ® - SHANGHAI**)
School of Cyber Science and Engineering, China
Thesis title: Robust and lightweight Sensitive Data Protection Method based on Privacy Protection.

Awarded [Huazhong University of Science and Technology, Outstanding Students Award 2022]

PROFESSIONAL SUMMARY

A committed lecturer with over 12 years of experience at leading academic institutions teaching students from various social and cultural backgrounds, possessing excellent administrative, verbal communication, and written skills along with constructive and effective teaching methods that promote a stimulating learning environment. Able to work in a managerial role or as part of a team and have the proven ability to successfully work to tight schedules and deadlines.

WORK HISTORY

September 2024 - Current
Lecturer, ***Ashur University***, Iraq

- Used a variety of learning modalities and support materials to facilitate the learning process and accentuate presentations.
- Worked cooperatively with other members of the faculty and staff to contribute to overall institutional effectiveness.
- Member of Quality Unit Assurance.

December 2023 - September 2024
Lecturer, ***October 6 University***, Egypt

- Used a variety of learning modalities and support materials to facilitate the learning process and accentuate presentations.
- Established research agenda in cybersecurity, Bigdata, and internet of things fields to publish in peer-reviewed journals.
- Supervisor on more than 5 projects in Computer Science and cybersecurity.
- Worked cooperatively with other members of the faculty and staff to contribute to overall institutional effectiveness.
- Students devised in academic matters to improve successful course completion.
- Member of Quality Unit Assurance.
- Member of the Official Faculty Website Unit.
- Member of the University International Academic Ranking Office.

Academic Advising:

- Ability to maintain high standards of achievement, behavior, discipline, and punctuality amongst students.
- Activating the academic advising forms to document the counseling sessions for students.
- Academic registration of students.
- Activating the career and academic guidance system.

January 2019
M.D.: Big Data
Cairo University
Faculty of Computers and Artificial Intelligence, Egypt
Thesis title: Initial Data Placement Reordering in MapReduce Technique for specific Data Categories.

July 2013
B.Sc.: Information System
Faculty of Computer Science and Information Systems, Egypt
Graduation Project title: Low–cost Multi-point Interactive Whiteboard Using Wiimote**.**
The first in my class on my major.
Graduation Project Grade: Excellent.

CERTIFICATIONS

- **Jun 2022**: Instructor and consultant, Information Storage and Management program (European Quality Training and Management Consultancy).
- **December 2021**: HCAI [Huawei Certified Academy Instructor].
- **October 2021**: HCIA [Huawei Certified ICT Associate] - Security.
- **June 2021:** HCAI [Huawei Certified Academy Instructor] - Specialty in Storage.
- **March 2020**: HCIA [Huawei Certified ICT Associate] - Storage.
- **February 2020**: Big Data Engineering certificate - IBM.
- **November 2016**: Teaching Strategies and Effective Learning, National Authority for Quality Assurance and Accreditation.
- **March 2016**: Self Evaluation for H.E Institutes, National Authority for Quality Assurance and Accreditation.
- **May 2014**: ArcGIS certificate - Esri.

Quality and National Academic Accreditation (QAU):

- Satisfying the NARS requirements for academic accreditation, including:

- Course Specifications.
- Course Reports.
- Career and Academic Advising.

December 2021 - Current

- **Huawei Instructor** in cloud storage track. (taught more than 200 hours)

December 2019 - November 2022
Assistant Lecturer, ***October 6 University***, Egypt

- Co-supervisor for a few graduation projects.
- Developed easy and open rapport with students to encourage engagement and academic progress.
- Dispersed, collected, and graded assignments to give detailed feedback.
- Reviewed teaching activities and identified and implemented strategies to improve student learning outcomes.
- Performed various general administrative tasks such as filing, recordkeeping, and taking phone messages.
- Provided constructive and timely feedback to students to advise on areas of concern and suggestions. improvements.
- Met with students during and after office hours to address concerns and offer feedback.
- Prepared and organized different teaching aids for use in the classroom.

October 2013 - December 2019
Teaching Assistant, ***October 6 University***, Egypt

- Assisted teachers with classroom management and document coordination to maintain a positive learning environment.
- Partnered with teachers to plan and implement lessons following school's curriculum, goals, and objectives.
- Tutored struggling students individually and in small groups to reinforce learning concepts.
- Supported classroom activities and reviewing work.
- Assisted teachers with classroom management and document coordination to maintain a positive learning environment.
- Mentored undergraduate and graduate students in effective next steps for education and career preparedness.
- Selected and designed lesson plans and curriculum to meet QA in academic objectives.

PUBLICATION LIST

1. El-Douh, A.A.R., Elkadi, H.M. and Khafagy, M.H., Comparative Study of Improving Shuffling Techniques in MapReduce. SAUSSUREA Journal, 2017, 4 (2): 42-49.

- **February 2014**: TOEFL - Cairo University Center for Foreign Languages and Translation Specialist.
- **December 2013**: Train the Trainers Track - Egabi learn.
- **May 2010**: Oracle SQL.

LANGUAGES

Arabic: Native language

English: B2

Upper intermediate

Chinese (Mandarin): A1

Beginner

SKILLS

• Involved in the research and design of new courses and materials.
• Assessing students' coursework and material.
• Involved in the setup of exams and the marking of results.
• Capstone Projects Supervision.
• Responsible for departmental administrative tasks.
• Providing mentoring, advice, and support to students on a personal level.
• Prepared monthly reports for senior managers.
• Actively leading class discussions and encouraging debate.

COMPUTER SKILLS

- Cisco Routing & Switching.
- MATLAB, Packet Tracer, GNS3 and OPNET.
- Operating systems (Microsoft and Linux).

2. El-Douh, A.A.R., Elkadi, H.M. and Khafagy, M.H., Reducing Data Shuffling and Improving Map Reduce Performance using Enhanced Data Locality. Proceedings of 193rd IASTEM International Conference, Berlin, Germany, 2nd-3rd August 2019, pp. 58-64.
3. El-Douh, A.A., Lu, S.F., Abdelhafeez, A., Ali, A.M. and Aziz, A.S., 2023. Neutrosophic Model for Evaluation Healthcare Security Criteria for Powerful and Lightweight Secure Storage System in Cloud-Based EHealthcare Services. Neutrosophic Sets and Systems, 58(1), p.22.
4. El-Douh, A.A.R., Lu, S.F., Elkouny, A.A. and Amein, A.S., 2022. Hybrid Cryptography with a One–Time Stamp to Secure Contact Tracing for COVID–19 Infection. International Journal of Applied Mathematics and Computer Science, 32(1), pp.139-146.
5. El-Douh, A.A.R., Lu, S.F., Elkouny, A.A. and Amein, A.S. Advances in Information and Communication: Proceedings of the 2022 Future of Information and Communication Conference (FICC), Volume 2 (Vol. 439). Springer Nature.
6. El-Douh, A.A.R., Lu, S.F., Elkony, A. and Amein, A.S., 2022, March. A systematic literature review: The taxonomy of hybrid cryptography models. In Future of Information and Communication Conference (pp. 714-721). Cham: Springer International Publishing.
7. El-Douh, A.A., Lu, S.F., Abdelhafeez, A., Ali, A.M. and Aziz, A.S., 2023. Heart Disease Prediction under Machine Learning and Association Rules under Neutrosophic Environment. Neutrosophic Systems with Applications, 10, pp.35-52.
8. EI-Douh, A.A.R. and Abdelhafeez, A., 2023. Rethinking Waste Management: A Holistic Sustainability Framework for a Circular Economy. Journal of Sustainable Development and Green Technology, 2(2), pp.26-6.
9. El-Douh, A., Lu, S., Abdelhafeez, A. and Aziz, A., 2023. A Neutrosophic Multi-Criteria Model for Evaluating Sustainable Soil Enhancement Methods and their Cost 2 Implications in Construction. SMIJ, 5(2), p.11.
10. Ismail, M., Ali, A.M., Abdelhafeez, A., EI-Douh, A.A.R., Ibrahim, M. and Abdel-aziem, A.H., 2023. Neutrosophic Multi-Criteria Decision Making for Sustainable Procurement in Food Business. Neutrosophic Sets and Systems, 57(1), p.18.
11. Abdelhafeez, A., EI-Douh, A.A.R. and Abdel-aziem, A.H., 2023. An Integrated Framework for Selecting Best Cloud Service Provider with Multi-Criteria Decision Making Methodology. Multicriteria Algorithms with Applications, 1(1), pp.11-18.
12. Elmenshawy, K., Wael, N., Ahmed, R., & El-Douh, A. A. (2024). Diabetes Prediction using Machine Learning and Explainable Artificial Intelligence Techniques. SciNexuses, 1, 28-43.
13. El-Douh, A. A., & Abdelhafeez, A. (2024). Fuzzy Framework for Evaluation Strategies of Climate Change Adaptation on Constructing. Climate Change Reports, 1, 61-69.
14. Elkholy, Mohamed. , El-Douh, A. A. . A Framework for Sustainable and Green Finance Through Effective Trading Portfolio Management. Journal of Journal of Sustainable Development and Green Technology, vol. 4, no. 1, 2024, pp. 23-28.
15. El-Douh, A. A., Lu, S., Abdelhafeez, A., Ali, A. M, et al. Neutrosophic Model for Evaluation Healthcare Security Criteria for Powerful and Lightweight Secur ful and Lightweight Secure Storage System in Cloud-Based age System in Cloud-Based EHealthcare Services. Neutrosophic *Sets and Systems* 58.1 (2023): 22.
16. El-Douh, K. Elmenshawy, Nada Wael, Rana A. (2024). Diabetes Prediction using Machine Learning and Explainable Artificial Intelligence Techniques. 1, 43-28.

- Microsoft SQL Server.
- Microsoft applications.
- Python Basics.
- HTML.

ADDITIONAL INFORMATION

Date of Birth: 19/04/1990
Military Status: Exempted
Marital status: Married
Religion: Muslim
Nationality: Egyptian

REFERENCES

Prof. Mohamed Helmy Khafagy
Dean of Faculty of Computers & Information, Fayoum University – Egypt.
Mail: mhk00@fayoum.edu.eg
Mobile: 002-01005141578

Prof. Songfeng Lu
School of Cyber Science and Engineering, Huazhong University of Science and Technology - China.
Mail: lusongfeng@hust.edu.cn
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Prof. Ahmed Saleh Amin
Vice Dean of Faculty of Computer Science and Information Systems – Egypt.
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Associate Prof. Bassem Sheta
Faculty of Computer Science and Information Systems – Egypt/ Canada.
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Mobile: 002-01002337334

FIELD OF RESEARCH

- Cybersecurity.
- Bigdata.
- Artificial Intelligence.
- Decision Support Systems.
- Machine Learning.
- Cloud Computing.

TEACHING COURSES

- Computer Skills.
- Introduction of Cryptography.
- Cloud Computing.
- Database Systems.
- Operating Systems.
- Communication Network.
- Research Methods and Ethics.
- Computer Security.
- Information System.
- Storage Information Systems.

MEMBERSHIP

- IEEE Collabratec.
- Reviewer at American Journal of Computer Science and Technology.

TRAINING COURSES

1. Hybrid Learning.

2. Electronic Platforms.

3. E-Learning.

4. Program and Curriculum Description According to NARS 2018 in the Engineering Sector.

5. Basics of Practical Research.

6. Strategic Planning.

7. Performance Quality in Scientific Departments.

8. Applied Scientific Publishing: National Academic Referencing Standards.

9. Program and Curriculum Description and Assessment of Learning Outcomes for Colleges and Higher Education Institutes.

10. Self-Assessment of Colleges and Higher Education Institutes.

11. Examination Systems and Student Evaluation for Colleges and Higher Education Institutes.

12. Effective Teaching and Learning Strategies for Colleges and Higher Education Institutes.

13. Strategic Planning for Colleges and Higher Education Institutes.