Curriculum Vitae (CV)

Full name: Sara Ahmed Soliman Fteah

Personal Information:

Academic Rank: Assistant Professor

Department: Computer Science

Specialization: Computer Science

Position: Assistant Professor

Google Scholar: https://scholar.google.com/citations?user=tt039cgAAAAJ&hl=en

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Education:

Degree	Discipline	Institution	Year
Ph.D.	Computer Science	Ain Shams University	2021
M.Sc.	Computer Science	Ain Shams University	2016
B.Sc.	Computer Science	Higher Technological Institute, 10th of Ramadan	2007

Academic Experience:

Institution: Department of Computer science, HTI

Rank: **Research Assistant (PHD student)**

Dates: **2016 until now**

Institution: Department of Computer science, HTI

Rank: **Teaching Assistant**

Dates: **2008-2016**

Research interests:

- Artificial Intelligence
- Machine learning
- Deep learning
- Pattern recognition
- Data Mining
- Expert System
- Image Processing

Publications:

1. Sarah A. Soliman, Safia Abbas and Abdel-Badeeh M. Salem, "A Comparative Study for Medical Diagnostic Systems Based on Data Mining Approach", Proceedings of Fifth International Conference on Intelligent Computing and Information System, Cairo, Egypt , 2013, PP 33-38.

2. Sarah A. Soliman, Safia Abbas and Abdel-Badeeh M. Salem, "Classification of thrombosis collagen diseases based on C4.5 algorithm", Proceedings of SeventhInternational Conference on Intelligent Computing and Information Systems, IEEE, 2015, Vol.3, PP 131-136.

3. Sarah A. Soliman, Heba Mohsen, El-Sayed A. El-Dahshan and Abdel-Badeeh M. Salem,Exploiting of Machine Learning Paradigms in Alzheimer's disease, "International Journal of Psychiatry and Psychotherapy ", ISSN: 2535-0994 ,Volume 4, pp. 1-11, (2019).

4. Sarah A. Soliman, Rania R. Hussein, El-Sayed A. El-Dahshan and Abdel-Badeeh M. Salem, " Intelligent Algorithms for the Diagnosis of Alzheimer's Disease", chapter In book: Innovative Smart Healthcare and Bio-Medical Systems, AI, Intelligent Computing, and Connected Technologies, first edition, taylor & francis DOI: 10.1201/9781003044291-3, pp.51-86, December (2020).

5. Sarah A. Soliman, El-Sayed A. El-Dahshan and Abdel-Badeeh M. Salem, "Predicting Alzheimer's Disease with 3D Convolutional Neural Networks", International Journal of Applications of Fuzzy Sets and Artificial Intelligence, (ISSN 2241-1240), Vol. 1, pp.125-146. (2020).

6. Sarah A. Soliman, El-Sayed A. El-Dahshan and Abdel-Badeeh M. Salem," Diagnosis of Alzheimer's disease: Methods and challenges", Proceedings of ITAF 2020, Book Chapter: Digital Transformation Technology, 1st edition, SPRINGERLink, Scopus, (2021).

7. Sarah A. Soliman, El-Sayed A. El-Dahshan and Abdel-Badeeh M. Salem ,"Diagnosis Of Alzheimer's Disease By Three-Dimensional Convolutional Neural Network Using Unsupervised Feature Learning Method", International Journal of Intelligent Computing and Information Sciences, Article 1, Volume 22, Issue 1, February 2022, Page 1-15.

8. Sarah A. Soliman, El-Sayed A. El-Dahshan and Abdel-Badeeh M. Salem, " Deep Learning 3D Convolutional Neural Networks for Predicting Alzheimer's Disease (ALD)", DOI:10.1007/978-981-16-8558-3_11, In book: New Approaches for Multidimensional Signal Processing (pp.151-162), 2022.

Certifications or Professional Registrations:

Honors and Awards

- 7th International conference on Intelligent Computing and Information Systems, IEEE, 2015.
- 9th International conference on Intelligent Computing and Information Systems, IEEE, 2017.

Teaching Experience:

- (2021 until now) Assistant professor in computer science department in HTI
- (2016 until 2021) Assistant Lecturer in computer science department in HTI
- (2008 until 2016) Assistant Lecturer in in computer science department in HTI

Courses taught

- Software Engineering

- Expert System

- Image Processing

- Compiler Design

- Introduction to information system

- Introduction to computer

- Distributed computing systems

- Prolog programming

- Structured programming