Nora Mahmoud El-Rashidy

PhD in Information Systems

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ABOUT ME

Currently I'm a **Professional Assistant Professor** at Cairo University, **Assistant Professor at Machine learning and Information Retrieval Department** at Kafr Elsheikh University and a **Manger of Measurement and Assessment Central Unit** at same university, with a pervious teaching experience at Educational Organizations such as centers and institutes, in addition to working as a free Lancer Net & Share Point Developer and ASP Net Developer to finally have a 10 years of successful professional work experience,

Regarding Academic Aspect, **I have a Doctor of Philosophy (PhD) Degree** In Information Systems and a **Post Graduate Diploma in System Development,** with a set of very important complimentary courses and training programs by **IBM world leader Co. of business machines** and Udacity the international educational website,

Nevertheless, I have **my own publications at national and International journals and conferences.**

EDUCATIONAL SUMMARY

Doctor of Philosophy Degree In Information Systems
Thesis Title: Adaptation of Data Mining Techniques for Real Time Patient Monitoring
Faculty of Computer Sciences and Information systems
Mansoura university, 2020.

Master's in Information System
Thesis Title: Improving Feature Selection Using Intelligent Techniques
Faculty of Computer Sciences and Information system
Mansoura university, 2016.

Post Graduate Diploma in System Development
Information Technology Institute- Mansoura Branch, 2010.

Bachelor's Degree of Computer Sciences and Information System
Faculty of computer science and information- Mansoura university, 2009.

LANGUAGES PROFICIENCY

- English: Excellent, with Full Working Proficiency.
- Arabic: Native.

WORK EXPERIENCE

Assistant Professor
Machine Learning and Information Retrieval Department
KafrElsheikh University, Egypt, Apr 2019 – Current.

Assistant Professor (Part-time)
Faculty of Engineering and computer science
Galala University, Egypt, February 2023– Current.

Assistant Professor (Part-time)
Cairo University, Egypt, Oct 2021 - Current.

Manger of Measurement and Assessment Central Unit
Kaferelshikh University, Egypt, May 2022 - Current.

Assistant Teacher
Misr Institute for Computers and Commerce, Egypt, Sep 2017 - May 2019.

Instructor
Teba for Computers Institute, Egypt, Jun 2015 - May 2018.

Net & Share Point Developer- Free Lancer
Rooya for Developed solutions, Egypt, Apr 2013 - Jun 2015.

ASP.Net Developer
Cube for intelligent solutions, Egypt, May 2012 - Sep 2013.

SUBJECTS TEACHED EXPERIENCE

- **Big Data analysis**
- **Advanced Knowledge representation**
- **Programming with Python**
- **Data Mining**
- **Python for Machine learning**
- **Linear Algebra**
- **Artificial intelligence**
- **Logic for Computer Science**
- **Machine learning Course**
- **Structured Programming**
- **Computer Fundamentals**
- **Deep Learning in Healthcare**
- **Database**
- **Learning From data**

PUBLICATIONS

Scientific production - International Journals:

Polycystic Ovary Syndrome Detection Machine Learning Model Based on Optimized Feature Selection and Explainable Artificial Intelligence
Journal : Diagnostics, **MDPI, April 2023**

A Reliable Position-Based Routing Scheme for Controlling Excessive Data Dissemination in Vehicular Ad-Hoc Networks
Journal : Computer Networks, **Elsevir , April 2023**

Toward Comprehensive Chronic Kidney Disease Prediction Based on Ensemble Deep Learning Models
Journal : Applied Science, **MDPI, March 2023**

An efficient edge/cloud medical system for rapid detection of the level of consciousness in emergency medicine based on explainable machine learning models
Journal: Neural computing and application- **Springer, March 2023,**

Bayesian Optimization with Support Vector Machine Model for Parkinson Disease Classification
Journal : Sensors, **MDPI, January 2023**

Predicting CTS Diagnosis and Prognosis Based on Machine Learning Techniques
Journal : Diagnostics, **MDPI, January 2023**

A Holistic Approach to Identify and Classify COVID-19 from Chest Radiographs, ECG, and CT-Scan Images Using ShuffleNet Convolutional Neural Network
Journal : Diagnostics, **MDPI, January 2023**

Utilizing fog computing and explainable deep learning techniques for gestational diabetes prediction
Journal: Neural computing and application- **Springer, 2022,**

Dynamic Urban Evaluation Routing Protocol For Enhanced Vehicular Ad-Hoc Networks. Dynamic Urban Evaluation Routing Protocol For Enhanced Vehicular Ad-Hoc Networks.
Journal: Supercomputing- **Springer, 2022.**

Prediction of gestational diabetes based on explainable deep learning and fog computing.
Journal: Soft Computing - **Springer, 2022**, **DOI:** 10.1007/s00500-022-07420-1.

Sepsis prediction in intensive care unit based on genetic feature optimization and stacked deep ensemble learning. Neural Computing and Applications
Journal: Neural computing and application **Springer-2021**, **DOI:** 10.1007/s00521-021-06631-1.

Big data stream for incremental learning using Ant Lion Fuzzy-Generative Adversarial Network based on Renyi entropy. 2021
Journal: Computer Material and continua, **DOI:** 10.32604/cmc.2022.021342.

Comprehensive survey of using machine learning in COVID-19 pandemic
Journal: Diagnostics 2021- **MDPI, DOI:** 10.3390/diagnostics11071155.

6   End-To-End Deep Learning Framework for Coronavirus (COVID-19) Detection and Monitoring.
Journal: Electronics 202 **MDPI**, **DOI:** 10.3390/diagnostics11040607.

Intensive Care Unit Mortality Prediction: An Improved Patient-Specific Stacking Ensemble Model.
Journal: IEEE Access 2019. **DOI:** 10.1007/978-3-030-91103-4_14.

PUBLICATIONS

Scientific production - International Journals:

Sentiment Analyzer for Arabic and English Datasets. Sentiment Analyzer for Arabic Comments. International Journal of Information Science and Intelligent System, **Journal:** International Journal of Intelligent Computing and Information., **DOI:**10.21608/ijicis.2015.10911.

Using Rough Set and Ant Colony optimization In Feature Selection. Using Rough Set and Ant Colony optimization In Feature Selection.
Journal: internal journal of emerging trends and technologies in computer science.

Different Feature Selection for Sentiment Classification **Journal:** International Journal of Information Science and Intelligent System.

A Real-time Framework for Patient Monitoring Systems based on a Wireless Body Area Network.
Journal: international Journal of Computer Applications, **DOI:** 10.5120/ijca2020920274.

Sentiment Analyzer for Arabic Comment
Journal: International Journal of Information Science and Intelligent, **DOI:** 10.14569/IJACSA.2013.040317.

Mobile Health in Remote Patient Monitoring for Chronic Diseases: Principles, Trends, and Challenges.
Journal: Diagnostics **MDPI**, **DOI:**10.3390/diagnostics11040607.

PUBLICATIONS

Publications in National or International Conferences

Title of the work: A Proposed Effective Framework for Elderlywith Dementia UsingData Mining Technique
Name of the conference: IEEE International Seminar on Research of Information Technology and Intelligent Systems DOI: 10.1109/ISRITI.2018.8864331.
Corresponding author: Yes
City of event: Indonesia, **End date:** 2018.

Title of the work: A real-time framework for diabetes patient monitoring based on wireless body area network
Name of the conference: INFOS 2018 : 11th International Conference on Informatics and Systems
Corresponding author: Yes
City organizing entity: Egypt,

BOOK CHAPTERS

Ensemble Machine Learning Model for Mortality Prediction Inside Intensive Care Unit
Book Name: Medical Informatics and Bioimaging Using Artificial Intelligence –
Springer 2021, DOI: 10.1007/978-3-030-91103- 4_14.

Breast Cancer Detection: A Survey
Book Name : Artificial Intelligence for Disease Diagnosis and Prognosis in Smart Healthcare
•DOI:10.1201/9781003251903-10

BOOK CHAPTERS

Ensemble Machine Learning Model for Mortality Prediction Inside Intensive Care Unit
Book Name: Medical Informatics and Bioimaging Using Artificial Intelligence –
Springer 2021, DOI: 10.1007/978-3-030-91103- 4_14.

TRAININGS AND COURSES

Artificial Intelligence Analyst 2021 - Instructor Award
IBM, the International Business Machines Corporation

Certified Trainer for AI from l'école des ingénieurs en intelligence Informa Tique School (EPITA) and information technology institute (ITI) Duration in hours: 25 hours

Data Challenger track
Udacity International Educational Organization, (Duration 15 hours).

Artificial Intelligence Analyst - Mastery Award 2019
IBM, the International Business Machines Corporation, (Duration 30 hours).

IoT Cloud Developer - Mastery Award 2019
IBM, the International Business Machines Corporation, (Duration 14 hours).

Big Data Engineer - Mastery Award 2018
IBM, the International Business Machines Corporation, (Duration 30 hours).

Predictive Analytics Modeler 2020 - Mastery Award
IBM, the International Business Machines Corporation, (Duration 10 hours).

I*n addition to 24 other badges by IBM, [Click Here](#)*

REFRENCES

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