

Mustafa Elsayed Abdul-Salam, Ph.D.

Assistant Professor, Artificial Intelligence Dept.,
Faculty of Computers and Artificial Intelligence,
Benha University, Egypt,
Head of E-Learning Center, Benha University.



Email: mustafa.abdo@Ymail.com
mustafa.abdo@fci.bu.edu.eg

Tenth of Ramadan City, Egypt

PERSONAL DETAILS	
Date of Birth:	1-Nov-1981.
Nationality:	Egyptian.
Gender:	Male.
Marital status:	Married.
Military service:	Completed.

OBJECTIVE

Seeking a challenging position at prestigious university that meets my skills and let me fulfill all my aspirations and ideas and enrich my academic and research background. I wish to make great things that help our country and all countries.

EDUCATION

Ph.D in Computers and Information	June 2015
Information Systems Department, Faculty of Computers & Information, Cairo University, Egypt. <u>"A Framework of Predictive Models using Computational Intelligence for Stream Data"</u>	
M.Sc. in Computers and Information	November 2009
Information Systems Department, Faculty of Computers & Information, Menofya University, Shebin El-Kom, Egypt. <u>"An Integrated Stock Market Forecasting Model using Computational Intelligence"</u>	
B.Sc. of Computer Science	May 2003
Information Technology & Information System department, Faculty of Computers & Information, Zagazig University, Zagazig, Egypt. Grade: very good	

WORK EXPERIENCE

Title	Institution	College	Department	From	To
Assistant Professor	Benha University	Computers and Artificial Intelligence	Artificial Intelligence	2016	Till now
Visiting Assistant Professor	Helwan University	Computers and Artificial Intelligence	Software Engineering	2016	2020
Visiting Assistant Professor	Ain Shams University	Business	Management Information Systems	2017	2020
Visiting Assistant Professor	Misr International University (MIU)	Computer Science	Computer Science	2017	2020
Visiting Assistant Professor	Future Academy	Computer Science	Computer Science	2017	2020
Visiting Assistant Professor	Cultural and Science Academy	Computer Science	Computer Science	2016	2017
Visiting Assistant Professor	Modern Academy	Computer Science	Computer Science	2015	2017
Visiting Assistant Professor	Higher Technological Institute (HTI)	Computer Science	Computer Science	2015	2016

TEACHING EXPERIENCE

▪ C, C++ Programming Levels 1,2
▪ .Net Programming Using C#
▪ Java Programming Levels 1,2
▪ Artificial Intelligence
▪ Machine Learning
▪ Neural Networks
▪ Data Science and Big Data Analytics (Dell EMC)
▪ Introduction to Computer Science
▪ Introduction to Information Systems
▪ Computer Graphics (OpenGL, WebGL, Java Graphics)
▪ Database Management Systems 1,2
▪ Cryptography and Network Security
▪ Parallel and Distributed System Programming
▪ Multimedia
▪ Numerical Methods
▪ Automata and Theory of Computations
▪ System Analysis and Design

▪ Software Engineering
▪ Computer Networks 1,2 (CCNA, MCSE)
▪ Web Development Using PHP And MySQL
▪ Data, Computing and Information
▪ Data, Computing and Information (II)
▪ Operating Systems

LIST OF PUBLICATIONS

- [1] Rashed Salem, Mustafa Abdul Salam, Hatem Abdul-Kader, and Ahmed Awad, “**An Artificial Bee Colony Algorithm for Data Replication Optimization in Cloud Environments**”. *IEEE ACCESS December 2019*. DOI: [10.1109/ACCESS.2019.2957436](https://doi.org/10.1109/ACCESS.2019.2957436)
- [2] Mustafa Abdul Salam, H.M.Abdul-Kader, and W.F.Abdel-Wahed, “**Training Feed-Forward Neural Networks with Hybrid Differential Evolution Algorithm for Stock Price prediction**”. *Proceedings in The fourth International Conference on Intelligent Computing and Information Systems (19-22, March, 2009)*, ICICIS2009, Ain Shams, Cairo, Egypt. "Session Best Paper award"
- [3] Mustafa Abdul Salam, H.M.Abdul-Kader, and W.F.Abdel-Wahed, “**Training Feed-Forward Neural Networks with Particle Swarm Optimization Algorithm for Stock Price prediction**”, *Proceedings in 5th International Computer Engineering Conference (27-29, December, 2009)*, ICENCO'2009, Faculty of Engineering, Cairo University, Giza, Egypt.
- [4] Mustafa Abdul Salam, H.M.Abdul-Kader, and W.F.Abdel-Wahed, “**Weekly Stock Price prediction using Feed-Forward Neural Networks Trained with Proposed Hybrid Differential Evolution Algorithm**”, *5th International Computer Engineering Conference (27-29, December, 2009)*, ICENCO'2009, Faculty of Engineering, Cairo University, Giza, Egypt.
- [5] Mustafa Abdul Salam, H.M.Abdul-Kader, and W.F.Abdel-Wahed, " **A Comparative Study between Differential Evolution and Particle Swarm Optimization Algorithms in Training of FeedForward Neural Network for Stock Price prediction**", accepted to the " *International Journal of Neural Networks and Applications*", July to December 2009 , issue of the journal.
- [6] Osman Hegazy, Omar S. Soliman, and Mustafa Abdul Salam, **A Machine Learning Model for Stock Market Prediction**, *International Journal of Computer Science and Telecommunications*, Vol. (4), Issue (12),pp. 17-23, December 2013.
- [7] Osman Hegazy, Omar S. Soliman, and Mustafa Abdul Salam, **LSSVM-ABC Algorithm for Stock Price Prediction**, *International Journal of Computer Trends and Technology (IJCTT)*, Vol. (7), Issue (2),pp. 81-92, Jan 2014.
- [8] Osman Hegazy, Omar S. Soliman, and Mustafa Abdul Salam, **A Hybrid BA-LS-SVM Model and Financial Technical Indicators for Weekly Stock Price and Trend Prediction**, *International Journal of Advanced Research in Computer Science and Software Engineering(IJARCSSE)*, Vol.(4), Issue(4), pp. 764-781, 2014.
- [9] Osman Hegazy, Omar S. Soliman, and Mustafa Abdul Salam, **Optimizing LS-SVM using Modified Cuckoo Search algorithm (MCS) for Stock Price Prediction**, *International Journal of Advanced Research in Computer Science and Management Studies*, Vol. (3), Issue (2),pp. 204-224, February 2015.
- [10] Osman Hegazy, Omar S. Soliman, and Mustafa Abdul Salam, **Comparative Study between FPA, BA, MCS, ABC, and PSO Algorithms in Training and Optimizing of LS-SVM for Stock Market Prediction**, *International Journal of Advanced Computer Research Vol.(5), Issue (18),pp.35-45, March2015*.

- [11] Osman Hegazy, Omar S. Soliman, and Mustafa Abdul Salam, **FPA-ELM Model for Stock Market Prediction**, *International Journal of Advanced Research in Computer Science and Software Engineering*, Vol.(5), Issue (2),pp.1050-1063, February 2015.
- [12] H.M. Zawbaa, E. Emary, Mustafa Abdul Salam, **A hybrid dragonfly algorithm with extreme learning machine for prediction**, *International Symposium on INnovations in Intelligent SysTems and Applications*, At: Sinaia, Romania, August 2016.
- [13] Ahmed A Toony, Mustafa Abdul Salam, Diaa Salama, **Prediction of Host Load in Cloud Computing Based on Quantum Evolutionary Algorithm and Kalman Filter with ANFIS**, *IJCSNS International Journal of Computer Science and Network Security*, VOL.17 No.9, September 2017.
- [14] H.M. Zawbaa, E. Emary, Mustafa Abdul Salam, **A proposed Whale Search Algorithm with Adaptive Random Walk**, *EEE 13th International Conference on Intelligent Computer Communication and Processing*, Cluj-Napoca, Romania.2017
- [15] Mustafa Abdul Salam, H.M. Zawbaa, E. Emary, **A Hybrid Moth-Flame Optimization and Extreme Learning Machine Model for Financial Forecasting**, 2018 International Conference on Innovative Trends in Computer Engineering (ITCE 2018), Aswan University, Egypt, 2018

RESEARCH INTERESTS

- **Artificial Intelligence (AI),**
- **Federated Machine Learning Models,**
- **Data Science and Big Data analytics,**
- **Deep Reinforcement Learning for Autonomous Cooperative Vehicles,**
- **Computational Intelligence and Hybrid Machine Learning and Swarm Intelligence Models (ANN, Fuzzy systems, GA, PSO, DE, BA, ABC, CS, MCS, MFO),**
- **Arabic Essay questions Auto Grading using Hybrid Machine Learning Models,**
- **Smart Agriculture and Plant Diseases Detection using Deep Learning,**
- **Distributed Software Engineering,**
- **Computer Networks Optimization,**
- **Data Replication Optimization in Cloud Environments.**

ACADEMIC PROJECTS EXPERIENCE

Position	Supervisor
Description	Deep Reinforcement Learning for Autonomous Cooperative Vehicles (Funded 50,000 from ASRT)
Technologies	Python, YOLO, QLearning

Position	Supervisor
Description	Hybrid Machine Learning models and optimization for Earthquake Prediction
Technologies	Matlab

Position	Supervisor
Description	NLP and Sentiment analysis using Deep Learning (Arabic Language)
Technologies	Python

Position	Supervisor
Description	Full Stack IoT powered by AI (Smart Agriculture model and Plant diseases Detection) (Funded 30,000 from ASRT) (From Top 36 Project DELL EMC Competition)
Technologies	Python

Position	Supervisor
Description	Arabic Auto Grading of Essay Questions Using Hybrid Machine Learning Models.
Technologies	Python

Description

General

- Object Oriented Concepts and UML Basics.
- Database Modeling.
- Web Programming.
- Networks [CCNA,MCSE].

Operating System:

- MS-DOS, MS-Windows.
- Linux/Unix.

Programming Languages:

- Java [J2SE, J2EE].
Using [JCreator, JBuilder, NetBeans6, Eclipse]
- Microsoft Visual Basic.net.
- C/C++, C#.
- Matlab.
- Assembly.
- Prolog.

Web Technologies

- HTML, XML and CSS
- Java Script, Vb Script.
- ASP.net.
- Servlets and JSP.
- PHP.

Web Design :

- Micromedia Dream wavers.
- Microsoft Front page.
- Adobe Photoshop.
- Micromedia Flash MX.
- And use many of programs that use in web design.

DBMS:

- SQL Server.
- Oracle.
- MS-Access.
- Mysql.

Case Tools:

- Visio.
- Ms. Project

Theoretical knowledge	
Description	<ul style="list-style-type: none"> • Thorough Understanding of the Object Orientation Concepts. • Documenting and Designing applications Infrastructures. • Understanding of Database designing concepts. • Good understanding of Systems Analysis and Design concepts.

Interpersonal Skills	
Description	<ul style="list-style-type: none"> • Hard worker and willing to learn new technologies. • Good research abilities. • High communications skills. • Self-Motivated. • Team player and able to work under pressure.

Language Skills	
Arabic English	<ul style="list-style-type: none"> • Mother tongue. • Very Good.