

Ebtsam Abd Alhakam Sayed Mohamed

Minia-Egypt

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Education

- **PhD degree** - *Mansoura University* – 06/2020.
- **PhD Qualification courses** at Mansoura University-11/2014 to 01/2016.
- **Master degree** in Computer Science (Opinion Mining)-Cairo University- 01/2013
- **Premaster** in Computer Science 2009-Cairo University (Excellent **96%**)
- **Bachelor's** of Computers & Information – *Minia University*
- Dept/Major Computer Science
- Graduation Grade Excellent (**87.6%**) **the first class honors**
- Graduation Date Aug 2007
- **Graduation Project** Virtual Minia University System (Excellent **95%**)
- **Premaster Project** Enhancement for Querying Semantic Web Incomplete Data (Excellent **95%**)

Teaching Experiences in Egypt

- ❖ **Coordinator of Bioinformatics Program**, Faculty of Computers and Information, Minia University, Egypt from 8/2023 till 8/2024
- ❖ **Assistant Professor at Minia University - Egypt-** Faculty of Computers and Information, Computer Science department (from 2007 until **now**).
 - *Undergraduate Courses that I teach:* Information Retrieval- Computation theory- Object Oriented Programming in C# - File Structures – information technology, Introduction to C++, Compiler Design, distributed Database Interpersonal Communications, Automata and Languages Theory, Algorithms
 - Teaching qualification courses for **post graduate** master and PhD. Students such as:
 - Advanced distributed and parallel Computing
 - Advanced web engineering
 - Selected topics in Computer Science
 - Business process modeling
 - *Graduation projects supervision.*

- *Judgments of ICT Minia University competitions.*
 - **Working as Assistant Director of the Quality Center**
- ❖ **Instructor at Minia University Training Center- Egypt for some courses**
- *Basics for C#.*
 - *Windows Applications in C#*
 - *ICDL Courses*
 - *ICTP Courses*

I'm a part time Assistant Professor at **High Institute of Engineering, New Minia City, Egypt** for some courses such as:

- *Introduction to Information systems*
- *Operating Systems*
- *Computer Interfacing*
- *Micro-processor organization*

Practical Experiences

❖ **Undergraduate projects**

- Databases (Insurance Company using SQL plus& Oracle Developer tool, Pharmacy System using Access).
- Networks Security (Audio Encryption project).
- Image processing (tool for image processing).
- Compilers (Lexical Analysis Programs).
- Data structure (Regular Expressions programs)
- XML (partitioning a huge XML file using XML&C# project).
- File Organization (building database using files).

❖ **Postgraduate Projects**

- Parallel Programming Parallel Classifier using Java & Open Suse.
- Machine learning and deep learning projects using Python3, tensorflow framework.
- Implementation of optimization techniques based on Genetic algorithms.

Computer & Personal Skills

Programming Languages

- ✓ Java
- ✓ C++
- ✓ C#.Net
- ✓ Python
- ✓ SQL Server
- ✓ VRML (Virtual Reality Modeling Language)

Other languages & Tools

- ✓ Software Development tools
- ✓ Weka Mining tool
- ✓ Apache Lucene
- ✓ Jcreator
- ✓ Eclipse
- ✓ Matlab
- ✓ Anaconda (deep learning libraries)

Academic and Personal Skills

- ✓ Prepare Quality assurance reports
- ✓ Writing and Publishing research papers.
- ✓ Review papers in different international journals.
- ✓ Excellent skills in searching, manipulating and interacting with the latest technologies in the internet and the web.
- ✓ High skills in academic research.
- ✓ Ability to improve student's level.
- ✓ Effective communication skills.

Personal Information

- Gender Female
- Date of Birth 1 Aug 1986
- Nationality Egyptian
- Marital Status Married

Publications

- 1- **The integration among disambiguation lexical resources for more effective phrase-level contextual polarity recognition**, Abdelrahman, S.E.; Sayed, E.A.; Bahgat, R. Computer Engineering & Systems (ICCES), 2014 9th International Conference on Year: 2014 Pages: 86 - 91, DOI: 10.1109/ICCES.2014.7030934.
- 2- **Enhanced Opinion Detection System Using Word Sense Disambiguation**, Sayed, E.A., 2012 International Conference on Computer Technology and Science (ICCTS 2012).

- 3- **Ebtsam Sayed**, Mostafa Aref, Samir Elmougy, Building Language-Topic Based Index for Multi-lingual Information Retrieval. Proceedings of the 6th Conference on Language Engineering, Ain Shams University, December 2016.
- 4- **Mohamed, E.**, Elmougy, S., Aref, M., Toward Multi-Lingual Information Retrieval System Based on Internet Linguistic Diversity Measurement. Ain Shams Engineering Journal, 2019.
- 5- **Mohamed, E.**, Elmougy, S., Ibrahim, O. A. S., Aref, M., Sematic Relatedness Based Query Translation Disambiguation Approach for Cross-Language Web Search, International Journal of Advanced Science and Technology, 2020.
- 6- Gumaiei, A., Ismail, W. N., Hassan, M. R., Hassan, M. M., **Mohamed, E.**, Alelaiwi, A., & Fortino, G. (2022). A decision-level fusion method for COVID-19 patient health prediction. Big Data Research, 27, 100287.
- 7- GA-Stacking: A New Stacking-Based Ensemble Learning Method to Forecast the COVID-19 Outbreak, Ismail, W.N., Alsalamah, H.A., **Mohamed, E.**, Computers, Materials and Continua, 2023, 74(2), pp. 3945–3976.
- 8- Walaa N. Ismail, Hessah A. Alsalamah, Mohammad Mehedi Hassan, **Ebtesam Mohamed**, AUTO-HAR: An adaptive human activity recognition framework using an automated CNN architecture design, Heliyon, Volume 9, Issue 2, 2023.
- 9- Ismail W.N., Ibrahim O.A.S., Alsalamah H.A., **Mohamed E.** Multiobjective Learning to Rank Based on the (1 + 1) Evolutionary Strategy: An Evaluation of Three Novel Pareto Optimal Methods, Electronics, 12 (17), art. no. 3724, (2023).
- 10- Ismail, W.N., Alsalamah, H.A. & **Mohamed, E.A.** Genetic-efficient fine-tuning with layer pruning on multimodal Covid-19 medical imaging. *Neural Comput & Applic*, <https://doi.org/10.1007/s00521-023-09194-5>, (2023).
- 11- Essam H. Houssein, Nada Abdalkarim, Kashif Hussain, **Ebtsam Mohamed**, Accurate multilevel thresholding image segmentation via oppositional Snake Optimization algorithm: Real cases with liver disease, Computers in Biology and Medicine, Volume 169, 107922, ISSN 0010-4825, (2024).
- 12- **Mohamed, E.A.**, Alsalamah, H.A. & Ismail, W.N., A two-stage Framework for Arabic Social Media Text Misinformation Detection combining data Augmentation and AraBERT, Social Network Analysis and Mining, (2024).

Languages		
	Arabic	English
Reading	Native language	Very good
Writing		Very good
Speaking		Very good