

Curriculum Vitae

Personal Information

Name	<i>Naglaa Mohamed Reda Taher</i>	
Gender	Female	
Date of Birth	16/4/1969	
Place of Birth	Cairo, Egypt	
Nationality	Egyptian	
Residence Address	8th district, Nasr City, Cairo, Egypt	
E-mail	naglaa.reda@sci.asu.edu.eg.com	
Current Job	Associate Professor, Computer Science Division, Mathematics Department, Faculty of Science, Ain Shams University	
Mobile Tele	(202)01001292232	
Languages	- Arabic (Native) , English (Very good) , French (Poor)	
ORCID ID	https://orcid.org/0000-0001-6205-9217	
SCOPUS ID / h-index	56241284900 / 4	
ResearchGate	https://www.researchgate.net/profile/Naglaa-Reda	
YouTube Channel	https://studio.youtube.com/channel/UCiLPvnqV9G0hCBm4deUzLDQ	

Education and Qualifications

May 1990	<i>B. Sc. in Pure Mathematics and Computer Science</i> Degree : Excellent with Honor Authority: Faculty of Science, Ain Shams University, Cairo, Egypt
September 1991	<i>Master Preliminary Courses</i> Authority: Faculty of Science, Ain Shams University, Cairo, Egypt
April 1998	<i>M. Sc. in Computer Science</i> Authority: Faculty of Science, Ain Shams University, Cairo, Egypt Title : <i>On Compilers Based On Object-Oriented Concepts.</i>
July 2005	<i>Ph. D. in Computer Science</i> Authority: Faculty of Science, Ain Shams University, Cairo, Egypt Title : <i>Parallelizing Compilers for Recursive Functions.</i>
April 2022	<i>Associate Professor in Computer Science</i> Authority: Faculty of Science, Ain Shams University, Cairo, Egypt Specialty: <i>Parallel and Distributed Computing.</i>

Career History

10/ 2023 - Present	<i>Associate Professor, Higher Institute of Computer Science & Information Systems, New Cairo Academy, Cairo, Egypt.</i>
04/ 2022 – 09/2023	<i>Associate Professor, Faculty of Science, Ain Shams University, Cairo, Egypt.</i>
09/ 2012 – 03/ 2022	<i>Assistant Professor, Faculty of Science, Ain Shams University, Cairo, Egypt.</i>
09/ 2011 – 08/ 2012	<i>Assistant Professor, Higher Institute of Computer Science and Information System, New Cairo Academy of Sciences and Arts, Cairo, Egypt.</i>
09/ 2008 – 08/ 2011	<i>Assistant Professor, Faculty of Science, Ain Shams University, Cairo, Egypt.</i>
09/ 2007 – 08/ 2008	<i>Assistant Professor, Computer Division, Faculty of community, Tabuk University, Tabuk, Kingdom of Saudi Arabia.</i>
09/ 2006 – 08/ 2007	<i>Assistant Professor, Computer Division, Faculty of community, Abd el Aziz University, Tabuk, Kingdom of Saudi Arabia.</i>
08/ 2005 – 10/ 2005	<i>Lecturer, Faculty of Science, Ain Shams University, Cairo, Egypt.</i>
05/1998 – 07/ 2005	<i>Assistant Lecturer, Faculty of Science, Ain Shams University, Cairo, Egypt.</i>
11/1990 – 04/ 1998	<i>Administrator, Faculty of Science, Ain Shams University, Cairo, Egypt.</i>

Academic Courses taught

1990 – 2005	Undergraduate training courses: <ul style="list-style-type: none"> ▶ Programming languages: Basic, Pascal, C, C++, VB, ADA, Assembly, Matlab. ▶ Microsoft Office: Word, Excel, Access, Power point, Visio, Crystal. ▶ Visualization Tools: EdrawMax, Proteus 8 Professional, Visual Paradigm. 			
2005 – Present	Undergraduate Teaching courses: <table style="width: 100%; border: none;"> <tr> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ▶ Discrete mathematics ▶ Introduction to Computers ▶ Introduction to Scientific Programming ▶ Computer Programming ▶ Logic Design ▶ Database design ▶ Networks ▶ Operating Systems </td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ▶ Microprocessors ▶ Parallel Algorithms ▶ Data Structure ▶ System Analysis and Design ▶ Software Engineering ▶ Automat ▶ Deductive logic ▶ Parallel and distributed processing ▶ Graduate Project ▶ Distributed computing ▶ Database systems </td> </tr> </table>		<ul style="list-style-type: none"> ▶ Discrete mathematics ▶ Introduction to Computers ▶ Introduction to Scientific Programming ▶ Computer Programming ▶ Logic Design ▶ Database design ▶ Networks ▶ Operating Systems 	<ul style="list-style-type: none"> ▶ Microprocessors ▶ Parallel Algorithms ▶ Data Structure ▶ System Analysis and Design ▶ Software Engineering ▶ Automat ▶ Deductive logic ▶ Parallel and distributed processing ▶ Graduate Project ▶ Distributed computing ▶ Database systems
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	Postgraduate teaching courses: <ul style="list-style-type: none"> ▶ Algorithms and Data structure 			

Activities

2004	Faculty of Commerce, Ain Shams University: - Attend and pass practical training for a university lecturer.
2005	Faculty of Education, Ain Shams University: -Attend and pass training course of TOEFL test preparation (score 580)
2006 – 2007	Faculty of community, Abd el Aziz University, Tabuk, KSA: - Academic advisor. - Head of Art Committee.

2007 – 2008	<p>Faculty of community, Tabuk University, Tabuk, KSA:</p> <ul style="list-style-type: none"> - Academic advisor. - Head of Computer Division. - Head of Art Committee. - Member of the Committee of testing applicants for the post of administrators. - Attend a workshop "<i>Preparatory Year at New Universities – The Demand and Vision for The Future</i>". - Attend the training program "<i>Teaching strategies for University Students</i>". - Attend a workshop "<i>Online Learning Experience Sharing</i>".
2008-2012	<p>Faculty of Science, Ain Shams University:</p> <ul style="list-style-type: none"> - Attend a seminar on "<i>Credit Hours</i>". - Attend the training program "<i>Digital Libraries</i>". - Attend a seminar on "<i>Management Information Systems Project (MIS)</i>". - Attend the training program "<i>Credit Hours</i>". - Attend the training program "<i>International Publication</i>". - Attend a workshop "<i>BA Supercomputer/LinkSCEEM</i>". - Participate in the development of the theoretical and practical handbooks.
2013	<ul style="list-style-type: none"> - Attend and present a research paper in the 2nd International Conference on Circuits, Systems, Communications, Computers and Applications (CSCCA '13), Dubrovnik, Croatia, 25-27 June 2013.
2015	<ul style="list-style-type: none"> - Attend and pass the training program "<i>Question Banks</i>", at Training & Development Center-Ain Shams University, 24-25 February 2015.
2016	<ul style="list-style-type: none"> - Attend, organize and present a research paper (Abstract) in the 5th International Conference on Engineering & Technology, Computer, Basic & Applied sciences, (ECBA-16), Istanbul, Turkey, 26-27 January 2016.
2017	<ul style="list-style-type: none"> - Participate in the IEEE International Conference on Current Research in Computer Science and Information Technology, University of Human Development, Sulaymaniyah, Iraq, 26-27 April 2017.
2018 – Present	<ul style="list-style-type: none"> - Attend Egypt IOT challenge at MSA University, 13 August 2017. - Review research papers for The Journal of Supercomputing.
2019	<ul style="list-style-type: none"> - Attend the 8th International Conference on Mathematics and Information Sciences: Secrets of scientific publication, 6 October University, 8-10 February 2019. - Participate in organizing the 4th International Conference of Arab Impact Factor: International Classification of Arab Journals, 6 October University, 8-10 February 2019.
2020	<ul style="list-style-type: none"> - Participate in SRGE online lecture “An Introduction to Deep Learning Technology”, 14 April 2020. - Participate in SRGE online lecture “Blockchain: A Technological Weapon Against COVID-19”, 15 April 2020. - Participate actively in SRGE online workshop “Big Data Analytics and Artificial Intelligence against COVID-19 Opportunity and Challenges”, 21 May 2020. - Participate actively in SRGE online workshop “How to deal with a journal rejection”, 28 May 2020.

2021	<ul style="list-style-type: none"> - Attend and pass the training program "<i>Online Learning: التعلم الالكتروني باستخدام Moodle</i>", at Training & Development Center-Ain Shams University. - Attend and pass the training program "<i>Online Learning: Applications of Microsoft Office 365</i>", at Training & Development Center-Ain Shams University. - Attend and pass the training program "اعداد المراجعين والداخليين والخارجيين", بمركز الجودة والاعتماد QAAC ضمان. - Attend and pass the training program "<i>Online Learning: مهارات العرض</i>", at Training & Development Center-Ain Shams University.
2008 – 2023	<p><i>Faculty of Science, Ain Shams University:</i></p> <ul style="list-style-type: none"> - Participate in the development of some course specifications. - Attend and share in regular department's administrative/scientific meetings, seminars, M.Sc., and Ph. D. thesis' discussions. - Attend some meetings of the Mathematics Department's Council. - Attend some workshops of the Quality Assurance Unit. - Member of the Social Committee. - Academic advisor.
2020 – 2023	<p><i>Faculty of Science, Ain Shams University:</i></p> <ul style="list-style-type: none"> - Coordinator of Diploma in Computer Science Program. - Member of the Quality Assurance Committee. - Member of the Mathematics Department's Council.
2024- Present	<p><i>Higher Institute of Computer Science & Information Systems, New Cairo Academy, Cairo, Egypt:</i></p> <ul style="list-style-type: none"> - Member of the Quality Assurance Committee. - Coordinator of Computer Science Program. - Head of Computer Science Department.

Research Interest

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| <ul style="list-style-type: none"> ▶ Parallel Algorithms. ▶ Bioinformatics. ▶ IoT and CoT | <ul style="list-style-type: none"> ▶ Distributed Computing Systems. ▶ Object Recognition. |
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Thesis Supervision

1. Naglaa. M. Reda, Sameh. S. Daoud, M.Sc. thesis on Compilers Based On “Object-Oriented Concepts”, Department of Mathematics, Faculty of Science, Ain-Shams University, Cairo, Egypt, 1998.
2. Naglaa. M. Reda, Sameh. S. Daoud, Aly. H. Fahmy, and Salwa. M. Nassar, Ph.D. thesis on “Parallelizing Compilers for Recursive Functions”, Department of Mathematics, Faculty of Science, Ain-Shams University, Cairo, Egypt, 2005.
3. Abdullah F. A. Sebai, Fayed F. M. Ghaleb, Naglaa M. Reda, Ph.D. thesis on “A Model for Open Gate Algorithm vs Heterogeneous Distributed Database Issues”, Department of Mathematics, Faculty of Science, Ain-Shams University, Cairo, Egypt, 2010.

4. Mohammed W. Al-Neama, A. S. F. Obada, Fayed F. M. Ghaleb, Naglaa M. Reda, Ph.D. thesis on "A Study of Parallel Algorithms for Multiple Sequence Alignment", Department of Mathematics, Faculty of Science, Al-Azhar University, Cairo, Egypt, 2014.
5. Mohamed A. Marzok, Soheir M. Khamis, A. Tawfik, Naglaa M. Reda, M.Sc. thesis on "Task Scheduling Algorithms on Grid Computing Systems", Department of Mathematics, Faculty of Science, Ain-Shams University, Cairo, Egypt, 2015.
6. Shimaa Ibrahim Mostafa, Sameh Sami Daoud, Yasser Mohamed Abd El-Latif, Naglaa M. Reda, Ph.D. thesis on "Developing an Efficient Parallel Leaf Recognition Algorithm", Department of Mathematics, Faculty of Science, Ain Shams University, Cairo, Egypt, 2021.
7. Salsabeel Mohamed Abd El Salam, Essam Ahmed Soliman El-Seidy, Naglaa M. Reda, Mohamed Hassan Abdel-Aziz, M.Sc. thesis on "Behavior of Strategies in Three-Player Iterated Game", Department of Mathematics, Faculty of Science, Ain-Shams University, Cairo, Egypt, 2021.
8. Mohamed Aly Mohamed Khalil, Hatem Mohamed Bahig, Naglaa M. Reda, Ashraf Mostafa Kamal, M.Sc. thesis on " Using GPU in cryptanalysis of hash functions", Department of Mathematics, Faculty of Science, Ain-Shams University, Cairo, Egypt, 2021.
9. Alyaa J. Jalil1, Essam El-Seidy, Sameh S. Dauod, Naglaa M. Reda, Ph.D. thesis on "Developing Monitoring System based on Cloud Computing", Department of Mathematics, Faculty of Science, Ain Shams University, Cairo, Egypt, 2023.

Publications

1. Naglaa. M. Reda, Sameh. S. Daoud, Aly. H. Fahmy, and Salwa. M. Nassar, PREFCOMP: A Proposed Compiler for Parallelizing Recursive Functions, Jour. Inst. Math. & Computer Sciences, 13(2), 2002.
2. Abdullah F. A. Sebai, Naglaa M. Reda, Fayed F. M. Ghaleb, IWRAP: An intelligent wrapper for distributed heterogeneous database systems, Egyptian Computer Science Journal, 34(5), Cairo, Egypt, September 2010.
3. Naglaa M. Reda, Fayed F. M. Ghaleb, Open-Gate: An Efficient Middleware System for Heterogeneous Distributed Databases, International Journal of Computer Applications 45(2):44-49, New York, USA, May 2012.
4. Fayed F. M. Ghaleb, Naglaa M. Reda, Mohammed W. Al-Neama, An Overview of Multiple Sequence Alignment Parallel Tools, Proc. of the 2nd International Conference on Circuits, Systems, Communications, Computers and Applications (CSCCA '13), Dubrovnik, Croatia, 25-27 June 2013.
5. Mohammed W. Al-Neama, Naglaa M. Reda, Fayed F. M. Ghaleb, Accelerated Guide Trees Construction for Multiple Sequence Alignment, International Journal of Advanced Research, 2(4):14-22, April 2014.
6. Naglaa M. Reda, An Improved Suffrage Meta-Task Scheduling Algorithm in Grid Computing Systems, International Journal of Advanced Research, 3(10):123-129, November 2015.
7. Mohammed W. Al-Neama, Naglaa M. Reda, Fayed F. M. Ghaleb, An Improved Distance Matrix Computation Algorithm for Multicore Clusters, BioMed Research International journal at the special issue "High-Performance Computing and Big Data in Omics-based Medicine", June 2014.
8. Naglaa M. Reda, A. Tawfik, Mohamed A. Marzok, Soheir M. Khamis, Sort-Mid tasks scheduling algorithm in grid computing, Journal of Advanced Research, 6(6):987-993, November 2015.

9. Mohammed W. Al-Neama, Naglaa M. Reda, Fayed F. M. Ghaleb, Fast Vectorized Distance Matrix Computation for Multiple Sequence Alignment on Multi-cores, *International Journal of Biomathematics*, 8(6):1550084:1-15, June 2015.
10. Naglaa M. Reda, A. Tawfik, Mohamed A. Marzok, Soheir M. Khamis, Range-Suffrage Algorithm for Grid Task Scheduling, *International Journal of Applied and Physical Sciences*, 1(2):42-50, September 2015.
11. Naglaa M. Reda, A. Tawfik, Mohamed A. Marzok, Soheir M. Khamis, Range-Suffrage Algorithm for Grid Task Scheduling, *Proc. of the 5th International Conference on "Engineering & Technology, Computer, Basic & Applied Sciences"*, (ECBA-16), Istanbul, Turkey, 26-27 January 2016. (Abstract only)
12. Naglaa M. Reda, Mohammed Al-Neama and Fayed F. M. Ghaleb, HAMSAs: Highly Accelerated Multiple Sequence Aligner, *International Journal of Advanced Computer Science and Applications*, 7(6):470-473, July 2016.
13. Mohammed W. Al-Neama, Naglaa M. Reda, Fayed F. M. Ghaleb, A Study of Parallel Algorithms for Multiple Sequence Alignment, LAP LAMBERT Academic Publishing, 17 May 2016.
14. Mohammed W. Al-Neama, Naglaa M. Reda, Kasim Abduljabbar Al-Salem, MSAPVect: An improved MSAProbs algorithm for multi-core system, *Proc. Of 2017 International Conference on Current Research in Computer Science and Information Technology (ICCIT)*, Iraq, 26-27 April 2017.
15. Naglaa M. Reda, Parallelizing Compilers for Recursive Functions, LAP LAMBERT Academic Publishing, 21 April 2017.
16. Shaimaa Ibrahim, Yasser Abd El-Latif, Naglaa M. Reda, A Novel Data Dictionary Learning for Leaf Recognition, *Signal & Image Processing: An International Journal*, 10(3): 33-42, June 2019.
17. Shaimaa Ibrahim, Yasser Abd El-Latif, Naglaa M. Reda, Fast and Accurate System for Leaf Recognition, *International Journal of Computer Sciences and Engineering*, 8(8):73-79, August 2020.
18. Salsabeel M. Abd El-Salam, Essam El-Seidy, Naglaa M. Reda, Predicting mood behaviors of prisoner's dilemma players, *Journal of Mathematical and Computational Science*, 11(4):4650-4667, June 2021.
19. Hatem Mohamed Bahig, Mohamed Aly Mohamed Khalil, Naglaa M. Reda, Dictionary Attacks for the Franko-Arabic Password using GPUs, *International Journal of Scientific & Engineering Research*, 13(1):171-174, January 2022.
20. S. M. Khamis, N. M. Reda, W. Zakaria, Combining Range-Suffrage and Sort-Mid Algorithms for Improving Grid Scheduling. *The Journal of Supercomputing*, 78(2):3072–3090, February 2022 <https://doi.org/10.1007/s11227-021-03984-1>
21. Aliaa J. Jalil, Naglaa M. Reda, Infrared Thermal Image Gender Classifier Based on the Deep ResNet Model, *Advances in Human-Computer Interaction*, New York Vol. 2022, July 2022 <https://doi.org/10.1155/2022/3852054>
22. Alyaa J. Jalil, Essam El-Seidy, Sameh S. Daoud, Naglaa M. Reda, CNN Model for Analyzing Masked Facial RGB Images Using Cloud Computing, *International Journal of Intelligent Systems and Applications in Engineering*, 11(2): 648-654, February 2023.
23. Alyaa J. Jalil, Essam El-Seidy, Sameh S. Daoud, Naglaa M. Reda, AESN: A Database of Human Eyes, Noses, and Mouths for Person Identification or Facial Expression Recognition. *Journal of Basrah Researches (Sciences)*, 49(2):164-170, December 2023. <https://doi.org/10.56714/bjrs.49.2.13>
24. A.J. Jalil, E.A. El-Seidy, S.S. Daoud, N.M. Reda, Modified CNN Model for Classifying Gender of Thermal Images Using Cloud Computing, *Informatica*, 47(10), January 2024.

25. N.M. Reda A.J. Jalil, E.A. El Seidy, S.S. Dauod, Enhanced Surveillance System: Masked Face Re-Identification Using Cloud Computing and Deep Learning, International Journal on Technical and Physical Problems of Engineering, 16(1): 63-72, March 2024.
26. Shimaa Atef, Essam El-Seidy, Naglaa M. Reda, Tit-For-Tat and Win Stay-Lose Shift strategies via memory-two, Journal of Intelligent & Fuzzy Systems, 46(4): 8375-8388, April 2024.