

CURRICULUM VITAE

Rabie Ahmed, PhD



Personal data

Name: Rabie AbdAllah Ali Ahmed

Date of Birth: 5/ 6/1971

Marital Status: Mirage + 2 Boys and 3 Girls

Nationality: Egyptian

Current Position: Assistant Professor, Department of Computer Science, Faculty of Computing & IT, Northern Border University, KSA

Permanent Position: Assistant Professor, Department of Math & Computer Science, Faculty of Science, Beni Suef University, Egypt

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Objective

A challenging research program in the field of computer sciences that builds upon my research experience, especially in software like compiler construction, High performance computing, and parallel computing in Bioinformatics & Biological computation.

Proficiencies

- Extensive experience in Machine Learning Techniques
- Extensive experience in Parallel Computing of Support Vector Machines for classification Bioinformatics data sets.
- Extensive experience in biological computation methods for Classification.
- Extensive experience in High performance computing.
- Extensive experience in parallel processing and parallel compilers.
- Extensive experience in compiler generators tools, attribute grammar techniques, and compilers construction.

Honors and Skills

- 1-** Northern Border University, Faculty of computing & IT, Ph.D., Assistant Professor, Vice Dean of Academic Affairs, September, 2104- March, 2022.
- 2-** Northern Border University, Faculty of computing & IT, Ph.D., Assistant Professor, Head of computer science department, September, 2012- 2014.
- 3-** Beni Suef University, Faculty of Science, Ph.D., Assistant Professor, May, 2012- September, 2012.
- 4-** Beni Suef University, Faculty of Science, Assistance Lecturer, June 2011- December 2011.
- 5-** USM, School of computing, Assistant Researcher, October 2010- May 2011.
- 6-** USM, School of computing, Visiting Scholar, October 2008- October 2010.
- 7-** Beni Suef University, Faculty of Science, Assistance Lecturer, September 2005- September 2008.
- 8-** Cairo University, Beni Suef Branch, Faculty of Science, Demonstrator, September 1997- September 2005.
- 9-** Cairo University, Beni Suef Branch, Faculty of Education, Demonstrator, September 1994- September 1997.
- 10-** Certified of the American University in Egypt for training of computer science courses.
- 11-** Skilled in training of computer science courses, especially software, in Cairo University.
- 12-** Skilled in training of computer science, especially software, in many private centers.

Education

- 1-** Ph. D. in Computer Science, Joint Supervision Program between, University of Southern Mississippi, School of Computing, and, Beni Suef university, Faculty of Science Title: Parallel Computing of Nonlinear Support Vector Machines for Binary and Multiclass Classification, 2012.
- 2-** Master in Computer Science, Faculty of Science, Ain Shams University, Title: Attribute Grammars and Compilers Construction, 2004.
- 3-** Master's Introductory in Computer Science, Faculty of Science, Ain Shams University, Very good with the rank of honor, 1999.
- 4-** Bachelor of Science, Faculty of Science, Ain Shams University, Very good with the rank of honor, 1997.
- 5-** General Diploma for preparing teachers, Faculty of Education, Ain Shams University, Very good with the rank of honor, 1995.
- 6-** Bachelor of Science and Education, Faculty of Education, Cairo University, Very good with the rank of honor, 1993.

Experience

I) Research

Northern Border University, KSA

- Research project supported by Northern Border University, titled “Two level parallelism implementation to classify multiclass large datasets”, 2012.
- Research project supported by Northern Border University, titled “Web based parallel implementation to classify multiclass large datasets”, 2013.

University of Southern Mississippi, USA

- Assistant Researcher, School of Computing, October 2010 – May 2011.
- Visiting Scholar, School of Computing, October 2008 - October 2010.

Texas A&M University, USA

- MidSouth Computational Biology and Bioinformatics Society Conference, MCBIOS 2011.

Jackson State University, USA

- MidSouth Computational Biology and Bioinformatics Society Conference, MCBIOS 2010.

Ain Shams University, EGYPT

- Master in Science, Faculty of Science, September 2000 - May 2004.
- Master Introductory in Science, Faculty of Science, Sep. 1999 – Sep. 2000.
- First International Conference in Intelligent Computing & Information Systems, ICICIS 2002
- Second International Conference in Intelligent Computing & Information Systems, ICICIS 2005

Cairo University, EGYPT

- Third International Conference in Information and Systems, INFOS 2005.

Alexandria University, EGYPT

- Modern Methods of Systems Analysis and Design Workshop, MMSAD2002.

Future Technology Academy, EGYPT

- Third International Conference in Computer Sciences, Software Engineering, Information Technology: E-Business and Applications, CSIEA 2004.

Beni Suef University, EGYPT

- Successfully management of research projects for senior students, 2004 - 2008.
- Successfully management of summer projects for junior students, 2004 - 2008.

II) Teaching

Northern Border University, KSA

1. Teaching Following Courses:
 - i. **Compiler Construction**
 - ii. **Programming Languages**
 - iii. **Parallel Computing**
 - iv. **Operating System**
 - v. **Programming 1 , 2** (Basic, VB, VB.NET, C, C++, VC, VC++, VC.NET, VC++.NET, C#, Pascal, Assembly, HTML, Java)
 - vi. **Intermediate Courses** (Data Structure, Data Base, Object Oriented Programming, Analysis and Design Algorithms, Algorithms and Data Structure)
 - vii. **Accessories Applications** (Word, Excel, Power Point, Access, Front Page, Internet, Photo Shop, Mathematica, Matlab)

Beni Suef University

1. Teaching Computer Science courses as an Assistant Professor for students of Faculty of Science, Department of Math. & Computer Science, (2012-2012).
2. Teaching practical lessons in Computer Science as an Assistant Lecturer for students of Faculty of Education, Department of Math. & Computer Science, (2005-2008).
3. Teaching practical lessons in Computer Science as an Assistant Lecturer for students of Faculty of Science, Department of Math. & Computer Science, (2005-2008).
4. Teaching in many private centers to qualified their students in Computer Science.
5. Responsible for teaching summer training for students of Faculty of Science, Department of Math. & Computer Science, (2005-2008).
6. Sharing in preparation of the many projects for senior students of Faculty of Science, Department of Math. & Computer Science, (2005-2008).

Publications

- [1.] **Rabie Ahmed**, Taoufik Saidani, and Malek Rababa, “A Parallel Genetic Algorithm for solving Deadlock Problem within Multi-Unit Resources Systems”, International Journal of Computer Science and Network security (IJCSNS), ISSN: 2249 – 8958, Volume 21 No. 12 pp 175-182, December 2021.
<https://doi.org/10.22937/IJCSNS.2021.21.12.25>
- [2.] Atiq Ur Rahman, Adnan Rashid Chaudhry, **Rabie Ahmed**, Saleh M. Altowaijri, “Developing Curriculum of Bachelor Programs for College of Computing”, American Journal of Engineering Research (AJER), E-ISSN: 2320-0847, P-ISSN: 2320-0936, Volume 8, Issue 2, pp-64-71, February 2019.
- [3.] **Rabie Ahmed**, Munir Amin, and Mohammed Al-Shomrani, “A Web Mining Application to Classify Bioinformatics Datasets”, Indian Journal of Science and Technology (IJST), ISSN (Print): 0974–6846, ISSN (Online): 0974–5645, Vol. 11 No. 4, DOI:10.17485/ijst/2018/v11i4/10443, January 2018.
- [4.] Munir A. Ghanem, **Rabie A. Ahmed**, “Ant Colony Optimization: Approach for an Obstacle”, Journal of Applied Sciences (JAS), ISSN:1812-5654, VOL. 16 No. 2, pp 58-67, January 2016. doi:10.3923/JAS.2016.58.67.
- [5.] **Rabie Ahmed**, Malek Rababah, Mehtab Mehdi, Mohammed Al-Shomrani, “A Web-based Parallel Implementation to Classify Multiclass Large Datasets”, International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, Volume-4 Issue-4, April 2015.
- [6.] **Rabie Ahmed**, Mohammed Al-Shomrani, “Two level Parallelism Implementation to Classify Multiclass Large Datasets”, ORIENTAL JOURNAL OF COMPUTER SCIENCE & TECHNOLOGY, International open access Journal, ISSN: 0974 – 6471, Volume-7 Issue-3, December 2014.
- [7.] **Rabie Ahmed**, Adel Ali, Chaoyang Zhang, “SMC-PBC-SVM: A parallel implementation of Support Vector Machines for data classification”, Conference on Parallel and Distributed Processing , PDPTA 2012.
- [8.] **Rabie Ahmed**, Adel Ali, Nan Wang, Chaoyang Zhang, “ Parallel implementation of the combined binary and multi-class Support Vector Machines for classification of biological data”, The Eighth Annual Conference of the MidSouth Computational Biology and Bioinformatics Society (MCBIOS 2011), College Station, Texas, 2011.

References

1. Prof. Dr. Saleh M. Altowaijri, Faculty of computing & IT, Dean, Northern Border University, Rafha, Saudi Arabia,
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2. Prof. Dr. Mohammed M. Al-Shomrani, Faculty of computing & IT, Dean, Northern Border University, P. O. Box 80203, Jeddah 21589, Saudi Arabia,
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3. Prof. Dr. AbdulAzeem A. AbdAllah, Professor Emeritus of Mathematics, Faculty of Science, Beni Suef University,
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4. Prof. Dr. Hossam M. Faheem, Professor of Computer Systems, Head Faculty of Computer & Info. Science, Ain Shams University ,
Email : hmfahem@ieee.org
5. Prof. Dr. Adel Lotfy Ali, Professor Emeritus of Computer Science, School of Computing, University of Southern Mississippi,
Email: adelali@umn.edu
6. Prof. Dr. Chaoyang Joe Zhang, Associate Professor of Computer Science, School of Computing, Director, University of Southern Mississippi,
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