MOHAMED, AHMED A., PH.D.
CURRICULUM VITAE

Name	:	Ahmed Abo-Bakr Mohamed, Ph.D.
Current Position	:	Assistant Professor Computer Science Department College of Computer & Information Sciences Majmaa University KSA
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MAJOR

Computer Science and Engineering

CURRENT JOBS

Assistant Professor
Computer Science Department
College of Computer & Information Sciences
Majmaah University – KSA

EDUCATION

Ph.D., University of Connecticut, USA, 2006
(Efficient Techniques for Multi-Document Summarization Using Document Graphs)
M.Sc., University of Connecticut, USA, 2006
B.Sc., Faculty of Engineering, Asyut University, Egypt, 1995
(Very Good with Honor Degree)

RESEARCH INTERESTS

- Text Summarization
- Information Retrieval
- Data Mining
- Image Understanding
- Computer Vision
- Artificial Intelligence

EDUCATION EXPERIENCE

2015 – Date	Majmaah University, College of Computer & Information Sciences	KSA

- Assistant Professor, Computer Science Department, College of Computer & Information

2011 – 2015	Asyut University, Faculty of Computers & Information	Egypt

- Assistant Professor, Information Technology Department, Faculty of Computers & Information

2007 – 2011	South Valley University, Faculty of Engineering	Egypt

- Assistant Professor, Computers & Systems Engineering, Electrical Engineering Department

2001 – 2003	University of Connecticut	USA

- Grad Assistant (Fall 2001 – Spring 2003)

2001	Eastern Connecticut State University	USA

- Adjunct Faculty

1997	South Valley University, Faculty of Engineering	Egypt

- Undergraduate Lab Administrator

1996 – 1998	South Valley University, Faculty of Engineering	Egypt

- Teaching Assistant

PROJECTS PARTICIPATION

2012 – 2015	Faculty of Computers & Information, Asyut University	Egypt

- Establishment of Electronic Management Units Project (IT Unit)

2012	Asyut University	Egypt

- Assessment of Higher Education Learning Outcomes (AHELO)

2012 – 2012	Asyut University, Faculty of Computers & Information	Egypt

- Continuous Improvement and Quality for Accreditation Project (CIQAP)

2011	Faculty of Engineering, Ain Shams University in partnership with Faculty of Engineering, Aswan University	Egypt

- e-Laboratories for Physics and Engineering Education (517102-TEMPUS-1-2011-1-SE-TEMPUS-JPCR)

2009 – 2011	South Valley University, Faculty of Engineering	Egypt

- Quality Accreditation for Power Engineering Program

2009 – 2011	South Valley University, Faculty of Engineering	Egypt

- Systematic Improvement for Quality Accreditation for Civil Engineering Program (SIQACEP)

| 2009 – 2010 | South Valley University, Faculty of Engineering | Egypt |

- Interactive Internet-Based Power System Simulation Application (ePSS)
- (EuropeAid/127083/M/ACT/EG)

| 2007 – 2010 | South Valley University, Faculty of Engineering | Egypt |

- Establishing a Virtual Laboratories Developing Center (TEMPUS, JEP-33131-2005)

| 2006 – 2007 | South Valley University, Faculty of Engineering | Egypt |

- Quality Assurance and Accreditation Project (QAAP)

TECHNICAL EXPERIENCE

| 2016 – Date | College of Computer & Information Sciences, Majmaah University | KSA |

- Quality Assurance and Accreditation Unit, Head

| 2020 – 2023 | College of Computer & Information Sciences, Majmaah University | KSA |

- Journal of Engineering and Applied Sciences, Printing Manager

| 2016 – Date | College of Computer & Information Sciences, Majmaah University | KSA |

- Exams Unit, Head

| 2018 – 2022 | College of Computer & Information Sciences, Majmaah University | KSA |

- Training Unit, Head

| 2016 – 2017 | College of Computer & Information Sciences, Majmaah University | KSA |

- Academic Advising Unit, Head

| 2012 – 2015 | Faculty of Computers & Information, Asyut University | Egypt |

- Quality & Accreditation Assurance Unit, Unit Manager

| 2012 – 2015 | Faculty of Computers & Information, Asyut University | Egypt |

- Establishment of Electronic Management Units (IT Unit), Unit Manager

| 2012 | Asyut University | Egypt |

- Assessment of Higher Education Learning Outcomes (AHELO), IT Manager

| 2011 – 2012 | Faculty of Engineering, South Valley University | Egypt |

- IT Manager

| 2011 | Virtual Laboratories Developing Center, Faculty of Engineering, South Valley University | Egypt |

- Vice Manager

| 2010 – 2011 | Information Technology Academia Collaboration (ITAC) | Egypt |

- R & D Projects' Reviewer, "ITIDA" Program (An Information Technology Industry Development Agency)

2007 – 2010	Virtual Laboratories Developing Center, Faculty of Engineering, South Valley University	Egypt

- Technical Administrator

2003 – 2006	University of Connecticut	USA

- Full-Time Professional Computer Technical Support

2000	Eastern Connecticut State University	USA

- University Assistant
- Parallel Computations Lab Administrator

1997	South Valley University, Faculty of Engineering	Egypt

- Undergraduate Lab Administrator

TEACHING EXPERIENCE

Programming
    VB, Fortran, C++, C#

Undergrad Courses
    Fortran, C++, C#, Digital Design, Data Structures, Computer Networks, Network Programming, Software Engineering, Analysis and Design of Algorithms, Artificial Intelligence, Compilers, Analysis of Electrical Circuits, Computer Graphics, Database Management

Grad Courses
    Compilers, Socket Programming, Advanced Programming, Cybersecurity Fundamentals, Principals of Information Security, Data Mining

PUBLICATIONS

ALMUTAIRI, LAILA, AHED ABUGABAH, HESHAM ALHUMYANI, AND AHMED A. MOHAMED. "INTELLIGENT BIOMEDICAL IMAGE CLASSIFICATION IN A BIG DATA ARCHITECTURE USING METAHEURISTIC OPTIMIZATION AND GRADIENT APPROXIMATION." WIRELESS NETWORKS (2023): 1-22.

JAYARAMAN, RAMKUMAR, MOHAMMED ALSHEHRI, MANOJ KUMAR, AHED ABUGABAH, SURENDER SINGH SAMANT, AND AHMED A. MOHAMED. "SECURE BIOMEDICAL DOCUMENT PROTECTION FRAMEWORK TO ENSURE PRIVACY THROUGH BLOCKCHAIN." BIG DATA 11, NO. 6 (2023): 437-451.

BHARDWAJ, AKASHDEEP, KESHAV KAUSHIK, MOHAMMED ALSHEHRI, AHMED ABO-BAKR MOHAMED, AND ISMAIL KESHTA. "ISF: SECURITY ANALYSIS AND ASSESSMENT OF SMART HOME IOT-BASED FIRMWARE." ACM TRANSACTIONS ON SENSOR NETWORKS (2023).

TANWAR, JASWINDER, TAJINDER KUMAR, AHMED A. MOHAMED, PURUSHOTTAM SHARMA, SACHIN LALAR, ISMAIL KESHTA, AND VISHAL GARG. "PROJECT MANAGEMENT FOR CLOUD COMPUTE AND STORAGE DEPLOYMENT: B2B MODEL." PROCESSES 11, NO. 1 (2022): 7.

BHARDWAJ, A., MOHAMED, A. A., KUMAR, M., ALSHEHRI, M., ABUGABAH, A. (2022). REAL-TIME PRIVACY PRESERVING FRAMEWORK FOR COVID-19 CONTACT TRACING. CMC-COMPUTERS, MATERIALS & CONTINUA, 70(1), 1017–1032.

RAHEJA, S., ALSHEHRI, M., MOHAMED, A.A. ET AL. CORRECTION TO: A SMART INTUITIONISTIC FUZZY-BASED FRAMEWORK FOR ROUND-ROBIN SHORT-TERM SCHEDULER. J SUPERCOMPUT (2021).

AGARWAL A, SHARMA P, ALSHEHRI M, MOHAMED AA, ALFARRAJ O. 2021. CLASSIFICATION MODEL FOR ACCURACY AND INTRUSION DETECTION USING MACHINE LEARNING APPROACH. PEERJ COMPUTER SCIENCE 7:E437

ERLIN, T., EBADI, A. G., MAVALURU, D., ALSHEHRI, M., MOHAMED, A. A. B., & SOBHANI, B. (2019). PARAMETER DERIVATION OF A PROTON EXCHANGE MEMBRANE FUEL CELL BASED ON COEVOLUTIONARY RIBONUCLEIC ACID GENETIC ALGORITHM. COMPUTATIONAL INTELLIGENCE.

S. ALY, A. MOHAMED, UNKNOWN-LENGTH HANDWRITTEN NUMERAL STRING RECOGNITION USING CASCADE OF PCA-SVMNET CLASSIFIERS. IEEE ACCESS. 7, 52024–52034 (2019).

ZHAO Q., SANTOS E., NGUYEN H., MOHAMED A. (2009) WHAT MAKES A GOOD SUMMARY?. IN: ARGAMON S., HOWARD N. (EDS) COMPUTATIONAL METHODS FOR COUNTERTERRORISM. SPRINGER, BERLIN, HEIDELBERG

AHMED A. MOHAMED. 2006. EFFICIENT TECHNIQUES FOR MULTI-DOCUMENT SUMMARIZATION USING DOCUMENT GRAPHS. PH.D. DISSERTATION. UNIVERSITY OF CONNECTICUT, STORRS, CT, USA. ADVISOR(S) SANGUTHEVAR RAJASEKARAM. AAI3231243.

A. A. MOHAMED AND S. RAJASEKARAN, "'IMPROVING QUERY-BASED SUMMARIZATION USING DOCUMENT GRAPHS," IN PROCEEDINGS OF THE 6TH IEEE SYMPOSIUM ON SIGNAL PROCESSING AND INFORMATION TECHNOLOGY (ISSPIT), VANCOUVER, CANADA, 2006.

A. A. MOHAMED AND S. RAJASEKARAN, "QUERY-BASED SUMMARIZATION BASED ON DOCUMENT GRAPHS," IN PROCEEDINGS OF DOCUMENT UNDERSTANDING CONFERENCE WORKSHOP AT CONFERENCE OF HLT-NAACL (DUC 2006), NEW YORK, NY, 2006.

A. A. MOHAMED AND S. RAJASEKARAN, "EFFICIENT RANDOMIZED ALGORITHMS FOR TEXT SUMMARIZATION," ADVANCES IN NATURAL LANGUAGE PROCESSING. JOURNAL OF RESEARCH IN COMPUTING SCIENCE, PP. 195-200, 2006.

E. J. SANTOS, A. A. MOHAMED, AND Q. ZHAO, "AUTOMATIC EVALUATION OF SUMMARIES USING DOCUMENT GRAPHS," IN PROCEEDINGS OF TEXT SUMMARIZATION BRANCHES OUT: PROCEEDINGS OF THE ACL-04 WORKSHOP, BARCELONA, SPAIN, PP. 66-73, 2004.

V. THAPAR, A. A. MOHAMED, AND S. RAJASEKARAN, "A CONSENSUS TEXT SUMMARIZER BASED ON META-SEARCH ALGORITHMS," IN PROCEEDINGS OF THE 6TH IEEE SYMPOSIUM ON SIGNAL PROCESSING AND INFORMATION TECHNOLOGY (ISSPIT), VANCOUVER, CANADA, 2006.

Q. ZHAO, E. J. SANTOS, H. NGUYEN, AND A. MOHAMED, "WHAT IS NEEDED FOR A GOOD SUMMARY? TWO DIFFERENT TYPES OF DOCUMENT SETS YET SEEMINGLY INDISTINGUISHABLE TO HUMAN USERS," IN PROCEEDINGS OF HAWAII INTERNATIONAL CONFERENCE ON SYSTEM SCIENCES, HAWAII, 2006.

REFERENCES

1. Prof. Reda Ammar, Ph.D.
Head of Computer Science and Engineering Department
School of Engineering
University of Connecticut – USA

2. Dr. Mohamed Alshehri, Ph.D.
College of Computer and Information Sciences, Dean
Information Technology Department
Majmaah University – KSA

3. Dr. Majed Alowaidi, Ph.D.
College of Computer and Information Sciences,
Vice-Dean for Postgraduate Studies and Scientific Research
Information Technology Department
Majmaah University – KSA

4. Dr. Hisham Alsaghier, Ph.D.
College of Computer and Information Sciences, Former Dean
Information Technology Department
Majmaah University – KSA

5. Dr. Mohamed A. Orabi
Vice Dean for Postgraduate Studies and Scientific Research
(Former Dean of the Faculty of Engineering)
Electrical Engineering Department
Faculty of Engineering
Aswan University (previously, South Valley University)