

CURRICULAM VITAE

Permenant Postal Address

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EDUCATIONAL QUALIFICATION:

Degree	Domain	Institution / University	From	To
M.Sc	School of Electrical, Electronics, Information and Communication Engineering and Computer Science, Department of Computer Science , Database/Bioinformatics Lab.	Chungbuk National university, Cheongju, South Korea.	September -2008	September -2010
B.Sc	College of Computer Science & Information Technology, Department of Computer Science. 1st Class (Honors)	Sudan University of Sciences & Technology, Khartoum, Sudan.	Nov -2002	Nov-2006

Training Certificates

Title	Institution / University	From	To
Saemaul Training Program on Leadership	Saemaul central Training Institute, Seoul, Korea.	27/11/2009	28/11/2009

Principal Departmental Services/ Activities	Institution / University
Member, Department Examination Board	Sudan University of Sciences & Technology, Sudan.

OBJECTIVES

- Seeking a research-oriented, full-time position related to developing and applying efficient **data mining and data analysis** techniques to address challenging problems in an integrated environment of large-scale real-world data sets.
- To work in a professional environment in order to use the knowledge and experience gained thus far, and wish to make a distinctive career in life.
- Using Simulation and Modeling Techniques to Solve Analytical Problems.

Research Interests:

- Developing new classification and clustering techniques for efficient pattern recognition, and content-based similarity retrieval techniques in multi-attribute data repositories.
- Integrating mining and analyzing multi-stream, multi-dimensional sensor databases and social networks.

IT SKILLS:

Programming Languages: C, C++, Java 2, J2EE, Visual Basic .Net, HTML, JSP, PHP, Servlets, Turbo Pascal.

Research Tools: NS2 Network Simulator, Weka Mining tool, Clementine, Rational Rose.

Operating Systems: Windows 95/98/2000, Windows XP, MS-DOS, UNIX/Linux.

Software Applications: MS Word, MS Excel, MS PowerPoint, MATLAB, NetBeans IDE, QT Creator IDE.

Databases: Ms Access, SQLServer, Oracle, MySQL.

Assembly Languages: Microprocessor 8085 and 8086.

PROFESSIONAL EXPERIENCE

No	Designation	Duration	Company / Institution / University
1	RA, Database/Bioinformatics Laboratory	Sep-2009-Sep- 2010	Chungbuk National University, Cheongju, South Korea.
2	TA, College of Computer Science & Information Technology, Department of Computer Science.	Nov 2007 – August 2008	Sudan University of Medical Sciences & Technology, Khartoum, Sudan.
	TA, College of Computer Science	Jun- 2008- august 2008	Rabit National University Khartoum, Sudan.
3	RA, Network Programming	May 2007 –Feb 2008	Computer Center ,sudan University of science and technology , Khartoum, Sudan.
4	RA, Department of Networking	Jan 2007 – May 2007	Nile Electronic Systems Center, Khartoum, Sudan.
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Role Description

- Tutorials and Practical Teaching at Laboratories.
- Staff Department Programs.
- Implementing Computer Science Projects.
- Writing Scientific Research Papers.

Other Academic Association

1. TA (Network Cabling and Network Programming Part time) – Al-Mashreq Technical College, Khartoum Sudan.
2. Teaching Assistant at Ribat National University, Collage of Computer Science, Dept of Computer science.
3. Co-supervisor projects for undergraduate students sudan university of science & technology.

Courses Taught

Computer Science:

1. Programming Languages (C /C++ /JAVA Both Under Windows and Linux)
2. Web Applications (HTML, CSS, Visual basic .Net, JSP, PHP)
3. Operating System (windows – Linux)
4. Simulation and Modeling
5. Linux Kernel Module Programming
6. Network Programming
7. Network Cabling.
8. Network Simulation(NS2)

Relevant Courses

Data Mining
 Algorithm Analysis and Design
 Advanced Computer Networks
 Software Architecture and Design
 Advanced Technical and Professional Writing
 Theory of Computation
 Computer Organization
 Embedded Systems Programming
 Object Oriented Programming using C++,Java
 Data Communication
 Advance Database Systems
 Principles of Programming Languages
 Microprocessors (8085, 8086, 80386)

Spatial Databases
 Advanced Operating Systems
 Computer Graphics
 Software Architecture
 Advanced Software Engineering
 Cryptography
 Theoretical Computer Science
 Software Quality Assurance
 Artificial Intelligence and Applications
 Database Management Systems
 Computer Networks and Communication
 Analog and Digital Integrated Circuits
 Modeling and Simulation

RESEARCH PROJECTS

Title	Institution	From	To
Self-organizing Knowledge Evolution Technology for Personalized Medicine	Personalized Tumor Engineering Research Center (PT-ERC), <i>Ministry of Education, Science and Technology, South Korea(MEST), South Korea.</i>	Sep 2008	August 2010
U-Bio Information Management and Disease Prevention Automatic Diagnosis System	<i>Ministry of Education, Science and Technology, South Korea(MEST), South Korea.</i>	Sep 2008	August 2010
Embedded Network Encryptor	<i>Nile Electronic Systems Center (NESC), Sudan.</i>	Jan 2007	May 2007
Network Database Traffic Analyzer (NDBTA) – a Database Benchmarking Tool	<i>Undergraduate Graduation Project.</i>	Sep 2006	Nov 2006

PUBLICATIONS

<International Conferences>

- **Makki Akasha Babikier** ,Ibrahim Musa Ishag Musa, Dong Gyu Lee, Keun Ho Ryu “Clustering Method with Efficient Number Of Clusters Selected Automatically Based on Shortest Path, First International Conference on Emerging **Database EDB , Busan, 2009**”.
- **Makki Akasha Babikier**, Ibrahim Musa Ishag Musa, Mohammed Izzeldin, Dong Gyu Lee, Keun Ho Ryu “Detecting Atrial-ventricular blocks Arrhythmia based on RR-intervals on ECG Signals” 1st International Workshop On Frontier of Information Technology Conference **FITAT/DBMI**, Cheongju, , **South Korea, page 716-720, Oct 2009**.
- Ibrahim Musa Ishag Musa, **Makki Akasha Babikier**, Mohammed Izzeldin, Dong Gyu Lee, Keun Ho Ryu “*Semi-Ensemble Morphological Clustering for ECG data*” International Workshop on Aware Computing (**IWAC09**), **Aizu, Japan, Sept 2009**.
- Mohamed Ezzeldin A. Bashir , **Makki Akasha**, Dong Gyu Lee, Gyeong Min Yi, Keun Ho Ryu , Eun-jong Cha, Jang-whan Bae, Myeong Chan Cho, and Chae Woo Yoo,“Nested Ensemble Technique for Excellence Real Time Cardiac Health Monitoring”, **BioComp 2010, lasvegas USA, 2010**.
- Mohamed Ezzeldin A.Bashir, Dong Gyu Lee, **Makki Akasha**, Eun-jong Cha, Jang-whan Bae, Myeong Chan Cho, and Keun Ho Ryu,“Highlighting the Current Issues with Pride Suggestions for Improving the Performance of Real Time Cardiac Health Monitoring “, **DEAXA 2010, Spain, 2010**.
- Mohamed Ezzeldin A. Bashir, **Makki Akasha**, Dong Gyu Lee, Gyoyong Sohn, and Keun Ho Ryu, “Organizing the ECG Classifier’s Training Dataset with Ensemble Framework”, **FITAT2010, China 2010**.

ATTENDED WORKSHOPS:

First International Workshop on TDBM and FITT, CBNU, NOV 2009, cheongju South Korea.

SHOLARSHIPS/AWARDS:

Title	Institution / University	From	To
Master Course Scholarship for Chungbuk National University, Cheongju South Korea	Chungbuk BIT Research Oriented Univ and Brain Korea (BK) Project, South Korea	Sep- 2008	August-2010

LANGUAGE SKILLS:

No	Language	Listening	Speaking	Reading	Writing
1	English	Excellent	Very Good	Very Good	Very good
2	Arabic(Mother tongue)	Excellent	Excellent	Excellent	Excellent
3	Korean	fair	Fair	Fair	Fair

SUMMARY

- o More than 3 years of work experience in educational and research organizations, including some data mining projects in South Korea.
- o Energetic, reliable, competitive and professional; with a strong work ethic and commitment to success.
- o Excellent communication, presentation, and interpersonal relationship skills.
- o Experienced with working in a multi-linguistic and multicultural environment.
- o Fluent in multiple languages, including **excellent English, Arabic as a native language**, and

Principal	Institution / University
TED Translator (English To Arabic)	http://www.ted.com

basic understanding of the Korean Language.

- o Have leadership skills and also have the ability to work independently.
- o Have ability to communicate, analyze and troubleshoot problems in an efficient manner.

VOULANTEER WORK:**PERSONAL DETAILS:**

Date of Birth : **01.01.1984** Nationality : **Sudanese**
Sex : **Male** Marital Status : **Single**

AVAILABILITY: any Time**REFERENCES:** Available upon request.