

RESUME of

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Education:

Ph.D. in Computer Science (Database Security)

Faculty of Computer Science and Information Systems, University Technology Malaysia (UTM)

KL- City Campus

April-2006 (GPA 3.7)

MS. Master of Science in Computer and Information Engineering

Electrical and Computer Engineering Department, Faculty of Engineering, International Islamic University Malaysia (IIUM), **2001**

B.Sc. (Honors) in Computer Science & Information Systems

Computer Science Department, Faculty of Science, Sudan University of Science and Technology (SUST). **1997 -First Class Honors.**

Diploma in Computer Science

Computer Science Department, Faculty of Science, Sudan University of Science and Technology (SUST). **1994 –First Class.**

Selected Publications:

- “A Model for Integrating Security Features of Legacy Databases”, FSKSM Postgraduate Annual Research Seminar 2005 (PARS’05), 17-18 May 2005, FSKSM, UTM, Skudai, Johor, Malaysia
- “Providing Consistent Security Management in an Integrated Database Environment”, Malaysian Science and Technology Congress 2005 (COSTAM-MSTC, April 2005), KL.
- “An XML-based Security Management Model for Multilevel Security Databases”, IAJIT – international Journal - Feb.2005.
- “A Cryptographic-Biometric Mechanism For Enhancing SET Authentication”, International Conference on E-commerce – UUM, KL, Jan.2005.
- “PKCS Adaptation in an integrated Database Environment”, 12th IEEE/ADCOM2004 international Conference-India, Dec 2004.

- “Security Management of Integrated Heterogeneous Legacy Databases using XML”, (SEARCC’04 International Conference and Security Workshop-KL) -Oct.2004.

- “Cryptographic-Biometric Enhancement to SET Authentication”, International Conference on IT – IIUM, KL. 2001

Academic Honors and Awards:

- Recipient of Best Paper Award in FSKSM Postgraduate Annual Research Seminar 2005 from Faculty of Computer Science and Information Systems, University Technology Malaysia.

- Recipient of Best Presenter Award in FSKSM Postgraduate Annual Research Seminar 2005 from Faculty of Computer Science and Information Systems, University Technology Malaysia.

Work Experience:

06/06 – Present Full-time Assistant Professor, College of Computer Sciences & Information Technology, Sudan University of Science & Technology.

12/02 – 02/05 Full-time Lecturer, School of ICT, University College of Technology and Management Malaysia (KUTPM), during this period I have undertaken the following responsibilities:

1. Teaching and conducting classes, tutorials and laboratory sessions for the following Subjects:

Subject	Frequency in Teaching the Subject
Network and Data Security	8
Programming Languages	6
Java Programming	2
Network Operating Systems	4
Computer Architecture	3
Software Architecture, Design and Testing	1

2. Supervising senior students’ graduation projects.
3. Supervising senior students’ industrial training.
4. A member of the School’s Curriculum Committee and Research Group

02/01- 02/02 Research Engineer, Full-time, Technology Park Malaysia Academy SDN (TPM Academy SDN. BHD.).

02/00 - 03/02 Teaching Assistant and then Lecturer, Part-time, Computer Engineering Department, Faculty of Engineering, International Islamic University Malaysia (IIUM).

12/94 – 01/99 Assistant Instructor and then Teaching Assistant, Full-time, Computer Science Department, Sudan University of Science and Technology, during this period I have undertaken the following responsibilities:

1. Teaching and conducting classes, tutorials and laboratory sessions for the following Subjects:

Subject	Subject
1. Introduction to Computer Science	8. C Language
2. Pascal Language	9. File Management and Database
3. Data Structure and Algorithms	10. Computer Graphics (AutoCAD)
4. System Analysis and Design	11. Network & Security
5. Computer Architecture	12. COBOL Language
6. Microprocessors and Assembly Language	13. Word Processing & Typing
7. Advanced Computer Architecture	

2. Network Administrator, Administration of the Department Computer Network laboratories.
3. Supervision and maintenance of the Department Computer Laboratories.
4. Supervising senior students' graduation projects (Co-supervisor).

1998- Lecturer, Part-time, Umdorman Islamic University.

97-98 Teaching Assistant, Part-time, Karary Academy of Technology.

1998- Lecturer, Part-time, Almadar Institute for Computer Science.

Training and Workshops:

- “Grid Computing for Research in Academia”, Workshop, Banquet Hall, Central Complex, IIUM, May 2005, Kuala Lumpur, Malaysia.
- “The Creative Trainer Workshop”, Specialist Management Resource SDN BHD, 05.11 to 09.11.2001. Kuala Lumpur, Malaysia.
- Training Course in Fundamental of the Unix System “HP-Unix”, HP Education Services Malaysia, CSA Training Center, 30.07 to 03.8.2001. Malaysia.
- “NOKIA WAP Server API & Application Development Workshop”, 12.07 to 14.07.2000, HP Education Services, Kuala Lumpur, Malaysia.

- “NOKIA WAP Developer Workshop”, 10.07 to 11.07.2000, HP Education Service, Kuala Lumpur, Malaysia.
- Java Programming Course, IIUM, IT Division, 2000. Malaysia.
- “Using Advanced Methods in Teaching Basic Sciences Workshop”, UNESCO SUST, 08.12 to 11.12.1997. Khartoum, Sudan.
- Training Course in Database Application using ORACLE 7.0, SUST, 01.06 to 01.08.1997. Khartoum, Sudan.
- Training Course in Networks using Windows NT, NARIS, Dec.-1998. Sudan.
- Training Course in Networks using Novell NetWare 3.12, SUST- 1995. Sudan.
- “Computer Aided Design (CAD) Workshop”, 23-07 to 02-08.1995. Syria
- Industrial Training, Kenana Sugar Company, Computer Center, May-June 1994, programming using Mini Computer (VAX VMS Operating System). Sudan.

Research Work and Projects:

- Security Management of Integrated Heterogeneous Legacy Databases using XML, UTM, Malaysia.
- Cryptographic-Biometric Enhancement to SET Authentication, IIUM, Malaysia.
- An Audio Search Engine for Malay Language, KUTPM, Malaysia
- Enquiring Examination Result System using VoiceXML (VoiceWeb), KUTPM, Malaysia.
- An Interactive E-learning for Network and Data Security Subject, KUTPM, Malaysia.
- “LayMan Software Application”, Graphic Application, Primo Creation SDN BHD, Kuala Lumpur, Malaysia.
- Accounting, Payroll, and Personal System, Algardarif Institution for Mechanization Agriculture, Algardarif State, Sudan.
- Almsgiving (ELZAKAH) System, Sudan.
- Lecturers’ Over-time System, SUST, Sudan.

- Query by Modem from Students' Results Database System, SUST, Sudan.
- Inventory and Transportation System, Kenana Sugar Company, Sudan.

Languages:

- Arabic: native Language.
- English: very good command in Reading, Writing, and Speaking.

Personal Details:

- **Date of Birth:** 16.10.1973.
- **Place of Birth:** Khartoum, Sudan.
- **Nationality:** Sudanese.