

Curriculum Vitae



Personal information:

Name : Eng. Osama Ibrahim Shaarawy
Date of birth : 2 / 3 / 1979
Nationality : Egyptian
Marital status : married
Religion : Moslem

Contact information:

Current Address:

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Qualification:

"Bachelor's Degree in Computer Engineering", *July 2000*, [www.mtc.edu.eg]
Military Technical College, grade **"Excellent with Honor"**.

Conclusion Project: "Optical Character recognition using Neural Networks".

Post-graduate Studies:

"Diploma in Pure Mathematics", *July 2005*

Cairo University, Faculty of Sciences, as a requisite for M. Sc. in applied mathematics.

"M. Sc. Degree in Engineering Mathematics", *January 2008*

Military Technical College - Field of research: Operations Research.

Title of M. Sc. Thesis **"Stochastic Programming and its application in Optimization of ATM Networks Design"**

Registered to PhD program, Cairo University, Faculty of Computers and Information, Department of Decision Support and Operations Research,

Research point: **"Service Outsourcing Decision Models"**, since, *March 2010*.

Experience Summary

Master's Degree in Engineering Mathematics.

7+ years of experience in research and teaching of Engineering Mathematics, Operations Research and Computer Science.

4+ years of experience as an IT Consultant and System analyst with Oracle applications - performing functional and technical work within the Distribution, Manufacturing, Financial, and Self-Service modules of Oracle Applications (Oracle Financials/Oracle E-Business Suite (eBS) for Enterprise Resource Planning (ERP)).

Work Experience:

September 2010 – Current

Lecturer & Researcher, Department of Statistics and Operations Research, College of Sciences, King Saud University, [www.ksu.edu.sa]

September 2009 – July 2010

Mathematics and Computer Science Instructor, Self-learning Coordinator, Preparatory Year Program, King Saud University, [py.ksu.edu.sa]

August 2008 – July 2009

Assistant Lecturer in Mathematics Department, Faculty of Engineering, Future University in Egypt. [www.futureuniversity.edu.eg]

July 2000 – July 2008 Egyptian Armed Forces

(retirement from military service on 1/7/2008)

July 2000 – July 2002

Programmer, Oracle Developer and system analyst - Department of Information Systems, Ministry of Defense.

Sept 2002 – July 2007

Teaching & Research Assistant in Department of Engineering Mathematics and Operations Research, Military Technical College.

July 2007 – July 2008

Senior Oracle Applications Engineer (Consultant) – IT Software

Department of Information Systems, Ministry of Defense

Responsibilities: requirements gathering, functional gap analysis, application design, interfacing with users, estimating work, designing custom solutions, programming, configuration, module setup, test script generation, writing training guides, training end users, and providing production support.

March 2002 – January 2007 (Part-time job)

Oracle Developers Team leader, IT Sales, Technical Support and Business analyst (Inventory, Purchasing, Manufacturing, Costing, HR and Sales) – implementation and support of Oracle supply chain, Oracle bill of materials and Oracle work in process. [www.icgroup-co.com]

[IC GROUP – Information System Consulting S.A.E.K.C.]

July 2001 – January 2006 (Part-time job)

Computer Science Instructor in a number of training centers:

[SUN Center – NIC Center – APTECH Education Center (Nasr City)]

Courses: [KITSO (MS Office) - Adobe Photoshop - System analysis - JAVA - Oracle Developer]

Research Experience:

- Skilled in dealing with very large data sets, using analysis and visualization capabilities of the modern analytics and Business intelligence tools, and applying them in many of various scientific and academic fields.
- I have the skill for dealing with parallel processing, especially with parallel processing of basic software algorithms.
- I have the experience for dealing with algorithms, software engineering, expert systems, specialized modeling, designing software systems, programming in logic, object oriented logic and correctness of programs.
- Honor degree for Scientific Excellence (undergraduate), July 2000.

Papers and publications:

- "ATM NETWORKS CONGESTION CONTROL OPTIMIZATION USING STOCHASTIC PROGRAMMING" EM-6.

The 4th International Conference on MATHEMATICS AND ENGINEERING PHYSICS, ICMEP-4, Military Technical College, Cairo 27-29 May 2008.

Training and Courses:

- Participation in CARISMA-Brunel University workshop in Indian Institute of Management, on "Optimization Methods and Risk analysis; Applications in Finance". Held during April 6-9, 2011 in IIM-Calcutta, India.

Teaching Experience:

Instructor for discussion and exercise sections of the following undergraduate engineering courses:

*** Math. courses:**

- Introductory Linear Algebra.
- Advanced Calculus.
- Numerical analysis.
- Probability and Statistics for Engineers.
- Linear programming and applications.
- Optimization Methods.
- Regression analysis.
- Convex Programming.
- Calculus and analytic geometry.
- Differential equations.
- Complex analysis.

*** Computer Science courses:**

- Data structures and algorithms using C++
- Programming using Java.
- Computer architecture.
- Information systems.
- Discrete Math.
- Data Communications and Computer Networks.
- Computer modeling and simulation.
- Database management systems.
- Microprocessor based systems.
- Operations Research.
- Matlab Programming.

Computer Knowledge:

<i>Branch</i>	<i>Program</i>
<i>Applications</i>	<i>- Oracle: 9i, 8i, SQL, PL/SQL Oracle Applications/Oracle E-Business Suite - New System Implementations; Upgrades; Customizations and Extensions; Interfaces and Data Conversion. -Matlab 2007, MathCAD, SPSS, GAMS, AMPL and many mathematical modeling packages.</i>
<i>Network</i>	<i>Windows Environment Network</i>
<i>DBMS</i>	<i>Oracle 9i SQL Server 2000</i>
<i>Development Tools</i>	<i>* Oracle Application Server (OAS), Oracle Developer2000 and Oracle iDeveloper (including Forms6i and Reports6i), SQL*Plus, SQL*Loader, Browser/Query Builder, Oracle Discoverer, Designer/2000 * C / C++, Java, XML</i>

Professor References:

- **Maj. Gen. Prof. Dr. \ El-Sayed Sorour,**
Head of the Scientific Council of the Military Technical College.
Tel.: +20123420234 E-mail: elsayed_sorour@yahoo.com
- **Prof. Dr. \ Motaz Khorshid,**
Vice President of the British University in Egypt, El-Sherouk City, Cairo.
Tel.: +20122440988 E-mail: khoshid.motaz@gmail.com
- **Prof. Dr. Assem Tharwat,**
Professor of Operations Research, Canadian International College, Cairo.
Tel.: +20101823844 E-mail: assem_tharwat@cic-cairo.com

Strong Points:

I am a fast learner, (but not the fastest on earth!), hard worker, self-motivated, accurate, conscientious, enthusiastic, responsible, open minded and a team player.

Having advanced English language skills, excellent communication skills, problem solving skills, developed transferable skills, professional attitude and leadership tendencies.

References:

- Furnished upon request.