Yusuf Sharif Hassan

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EDUCATION . . . .

MASTER OF SCIENCE (MS) MAJOR IN INFORMATION AND COMPUTER SCIENCE
February 2004 – *present.*
King Fahd University of Petroleum and Minerals, Dharan, Saudi Arabia.

BACHELOR OF SCIENCE (BS) MAJOR IN COMPUTER SCIENCE (CS)
January 1998 – December 2001
Karachi University, Karachi, Pakistan.

EXPERIENCE . . . .

RESEARCH ASSISTANT
February 2004 – *cont.*
King Fahd University of Petroleum and Minerals, Dharan, Saudi Arabia

PROJECT MANAGER
February 2003 – January 2004
Saint Michael's Convent School, Karachi, Pakistan.
Worked as the O and A Level Project Manager. Also responsible for in-house projects; Library Information System and Accounting System.

PROJECT MANAGER
January 2002 – September 2002
Developed and deployed Information System of Formation Public School. Worked in the capacity of Project Manager. Major responsibilities included analysis and design of the system.

PUBLICATIONS . . . .

MASTER'S THESIS
Measuring Software Architectural Stability Using Retrospective Approach, MS Thesis proposal approved, Department of Information and Computer Science, King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia.

1. "Operating System Support for CPU Power Management in Mobile Devices," In IEEE-ICICS conference, Dhahran, Saudi Arabia, 2004.

2. "Analysis of the Internet Worm of August 2003," (with S. Hussain), In IEEE-ICICS conference, Dhahran, Saudi Arabia, 2004.

3. "Techniques for Discovering Low-support Association Rules: A General Survey," Paper Draft, King Fahd University of Petroleum and Minerals, 2006.

4. "Software Architectural Stability," Paper Draft, King Fahd University of Petroleum and Minerals, 2005.

5. "Towards a Framework for Entity Management in a P2P Environment of Service Providing Domains," (with S. Hussain) Term Paper, King Fahd University of Petroleum and Minerals, 2005.

6. "Sliver Exudation," Technical Report, King Fahd University of Petroleum and Minerals, 2004.

7. "On Designing Parallel Algorithms with emphasis on PCAM," Technical Report, Karachi Univeristy.

8. "Data Warehouse: Its Evolution and Usage," Technical Report, University of Karachi.

PROJECTS ....

INFORMATION SYSTEM FOR CERD (CENTER FOR EDUCATIONAL RESEARCH AND DEVELOPMENT.)
Designed entire system for managing education research records.
Used Oracle 8 and Developer 2000.
Contribution: Overall system deployed at site.

E-VOTING SYSTEM
Designed an electronic voting system based on concept of blind signatures.
Used Java and SQL Server.
Contribution: Functional system.

NATURAL LANGUAGE PROCESSING (COLLOCATION MAKER)
System that finds collocation from textual data.
Used Java.
Contribution: Overall system.

RASTER TO VECTOR CONVERTER
Designed a program that takes raster images as input and converts them to vector images.
Used C++.
Contribution: Overall system.

ACADEMIC AND RESEARCH INTERESTS ....

Software Architecture, Software Engineering, Software Metrics, System Analysis and Design, Database and Data Warehousing, Analysis of Algorithms, Theory of Computation and Complexity, Operating Systems, Cryptography Theory, Visual Programming Languages.

PROGRAMMING LANGUAGES AND TOOLS ....

C, C++, Java, Assembly Language, Prolog, TeX and LaTeX, and LISP. Oracle, SQL Server and MS Access.

REFERENCES...

Will be provided on request.

Yusuf Sharif Hassan s/o S. M. Akhtarul Hassan
Pakistani national born on June 22, 1980
unmarried with fluency in English and Urdu.