

Contacts

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Gul Faraz Khan

"To demonstrate my ability through research and skills"

PRESENT STATUS:

Working as a Researcher in department of Software Engineering, King Saud University, Riyadh, Saudi Arabia.

Research Areas:

1. Security of Mobile Ad Hoc Networks (MANETs)
2. Biometric security for MANETs
3. Analysis of security using Structure Assurance modeling
4. Security and fuzzy logic using MATLAB.
5. Information security issues in C4I System

Teaching Assistant:

1. Tutorial of Software requirement engineering and as a tool IBM Rational Software Architect
2. Tutorial of Microsoft Project Management, COSTAR and as a tool MS Project 2007, COSTAR 7.0
3. Tutorial of System Analysis and Designing, and as a tool power designer

ACADIMEC QUALIFICATION:

Degree/Certificate	Session	Institute
Master of Computer Science	2003 – 2006	National University of Modern Languages, Islamabad, Pakistan.
B.Sc(Computer Sci)	2001 – 2003	Peshawar University, Peshawar, Pakistan.
F.Sc(Pre Engineering)	1999 – 2001	BISE Peshawar, Peshawar, Pakistan.
S.S.C	1996 – 1998	BISE SWAT, SWAT, Pakistan.

PUBLICATION:

1. *"Proposed Methodology to Enhance C4I Systems Security on Architectural level"* accepted in journal of Scientific Research and Essays, June 2011.
2. *"Enhancing C4I security using Intrusion Detection and prevention system"*, this paper accepted in "23rd International Conference on Computer Application in Industry and Engineering November 08, 2010, Las Vegas, Nevada, USA"
3. *"Enhancing C4I security using threat modeling"*. This paper accepted in "2010 Uksim 12th International Conference on Computer Modelling and Simulation (UKSim)".

PROGRAMMING SKILLS:

Programming: .Net(C#, VB, ASP), C/C++, Visual C/C, Java, Prolog,
Database: SQL, oracle, MS Access,
UML: MS Visio, System Architect, JBuilder, Power Designer, IBM software Architect
Web Programming: ASP.NET, HTML, Java Script., PHP
Simulation tools: MATLAB ver 7.4, OPNET, ASCE, AHP,

NETWORKING SKILLS:

Manage and controlling network, network related activities (Security privileges, connection of devices with network, internet, network software, IP configuration, and Troubleshooting).

TEACHING EXPERIENCE:

I taught Software Engineering, Computer Science and Networking courses of graduate level.

PLATFORMS FAMILIARITY:

Windows (98, XP, VISTA, 7), Linux (Solaris)

PROFESSIONAL EXPERIENCE:

S.No	Organization	Nature of Job/Position	Time Period
4.	King Saud University Riyadh, SA	Researcher	April, 2009, till now
3.	CASE, Islamabad, Pakistan	Software Developer	July, 2008, February 2009
2.	M/O Law, Justice & Human Rights, Pakistan	(SE/Networking)	March, 2007- April, 2008
1.	Insignter, Islamabad, Pakistan	Data Conversion Officer	January, 2007-march, 2007

TRAINING AND CERTIFICATION:

1. "The State of the Art in Cryptography" held at Prince Muqrin Chair for Information Security Technologies, King Saud University during the period June 13 – 15, 2010.
2. "Network Security", held at Prince Muqrin Chair for Information Security Technologies, King Saud University during the period December 26 – 27, 2010.
3. IBM training workshop on "DB2 9.7 Academic workshop" held by department of Software Engineering, CCIS, KSU February, 2011.
4. IBM training workshop on Jazz & Rational Team Concert, Requirement Definition & Management, Quality Driven Software Delivery tools held by department of Software Engineering, CCIS, KSU May 24 – 26, 2011.

PROFESSIONAL PROJECTS:

1. Upgrade the Recruitment database system of M/O Law, Justice and Human Right's.
Tech/Tool Used: .Net(C#), SQL server 2000.
2. Website of Quaid –e – Azam Group of Schools and Colleges, this website provide full information about institute, Administration activities and student's activities.
Tech/Tool Used: PHP, My SQL, Dream Viewer, Adobe Photoshop.

SELECTED TERM PROJECTS & Other Work:

1. **GM AntiSpyware**
This software provide functionality to scan computer (HDD, RAM, Registry and cookies) for spyware threat and may be quarantine or delete it as required. This software also proved the services to check running programs online (Internet connection required) and provide full information about check process that it may be system, application, utility or malware (Threat) software.
Tool Used: DotNet (C#), Adobe Photoshop.
2. **All Noor Public School**
Database information system of school
Tool Used: UML (MS Visio, JBuilder, JAVA).
3. **Kashmir Visit Information**
A visit information system of Kashmir through which, find optimal path between two cities, minimum cost etc.
Tool Used: Prolog V.05.
4. **Very Small Aperture Terminal (VSAT)**
Analyses of VSAT for the sack of educational purpose.

5. Access Control System

Analysis of security control system for an organization.

6. Standard And Scientific Calculator

It's a GUI calculator (standard and scientific) having all function of standard calculator.

Tool Used: DotNet(C#).

7. Hostel Information System

This is a simple project having information about hostel.

Tool Used: C++, MS Access.

FIELDS OF INTERESTS:

1. Application Programming
2. Distributed & Web Applications
3. Information Security
4. Modeling and simulation of network security
5. Mobile Ad Hoc Networks (MANETs)
6. Networking and troubleshooting

KNOWN LANGUAGES:

Excellent commands over English, Urdu and Pashto in speaking, writing and reading.