

Farrah Farooq

Gender: Female
Date of Birth: 20/01/1986
Marital Status: Single
Religion: Islam
Nationality: Pakistani
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EDUCATIONAL QUALIFICATIONS

MPhil Computer Science 2008-2010

Punjab University College Of Information Technology
University of the Punjab
CGPA: 3.59

BSc (Hons) Computer Science 2003-07

Punjab University College of Information Technology
University of the Punjab
CGPA: 3.6

Intermediate 2001-03

ICS
Board of Intermediate and Secondary Education Lahore
Marks : 791/1100

Matriculation 1999-2001

Science
Board of Intermediate and Secondary Education Lahore
Marks : 681/850

EXPERIENCE

Lecturer on Regular Basis (BPS-18) at PUCIT, PU

August 2011 to date

The University of the Punjab is the oldest University of Pakistan.
Department of Information Technology is Pakistan's biggest Information
Technology center.

URL: www.pucit.edu.pk

Currently teaching Enterprise Software Development in .Net

Lecturer on Contract (BPS-18) at PUCIT, PU

1 year - August 2010 to July 2011

Taught Enterprise Software Development in .Net and Data Warehousing
and Data Mining to BS (Hons.) in IT and Software Engineering.

Senior Research Officer at PUCIT, PU

1.5 years - Feb 2009 to August 2010

Worked on HEC funded research project through grant No. 20-
931/R&D/07.

Software Engineer at PUCIT,PU

1 year Feb 2008 to Jan 2009

Worked as a Software Engineer and developed project software for HEC
funded research project through grant No. 20-931/R&D/07.

Visiting Lecturer at PUCIT,PU

6 months March 2008- August 2008

Taught Data structures and Algorithm course to BS (Hons.) in CS.

EXPERTISE	Programming in C, C++, C #.Net, ASP.NET, ADO.Net, creating data structures, Object Oriented Programming and .NET framework.
OPERATING SYSTEMS	WINDOWS XP, LINUX (Ubuntu,fedora),WINDOWS Server 2003
OTHER TOOLS	JAVA,JSP,MS Project, MATLAB, SQL Sever 2005, JFLAP, Rational Rose, MS Visio, MS Visual basic, MS Office, LEX, Oracle 9i, ArcView, Internet Information services(IIS), DNS and DHCP configuration in windows server 2003.
COMMUNICATION	Good writing and communication skills in English.
ACHIEVEMENTS	<p>Highest GPAs in each subject of programming through out my BCS(Hons)</p> <ul style="list-style-type: none"> • Structured programming in C. • Object Oriented Programming in C++ • Data Structures in C++. • Assembly Programming. • Algorithm Analysis. • Computer Graphics • .Net (ASP, ADO) • Compiler Construction <p>Scholarships I have been awarded with scholarship during my stay at PUCIT</p> <ul style="list-style-type: none"> • Got academic scholarship in all semesters. • Topped in morning sections twice (3rd and 4th semester)
EXTRA CURRICULAR ACTIVITIES	Faculty Advisory Member in PUCIT Computer Society and Girls Society . Organized several speed programming, quiz competitions, and study trips in PUCIT.
MPHIL RESEARCH THESIS	<p>Title: Real-Time Data Warehousing for Operational Business Intelligence Supervisor: Dr. Mansoor Sarwar, Principal, PUCIT, PU. Lahore. Co-Supervisor: Dr. Asim Karim, Assistant Professor, LUMS, Lahore.</p>
TERM PAPERS /PROJECTS	<p>BSC. Hons Semester Projects: These projects were done in group and my post was group leader in group activities.</p> <ul style="list-style-type: none"> • Digital Combinational Lock • Library Information System • Elevator Simulation • Flag Simulation • AFC Dynamic Website • Linux Multi Threading • Shortest Path Finder using Dijkstra Algorithm • LG Electronics Management Information System • Encryption and Decryption using Ceaser Sipher • PUCIT Online Testing System • Compiler in C# • Windows Based Email Server - Final Project <p>Term Papers:</p> <ul style="list-style-type: none"> • "Wireless Local Loops" in course of Data Communication and Networks. • "Genetics Algorithms" in course of Artificial Electronics. • "Chaos Theory" in course of Differential Equations. • "Graphics Cards" in course of Computer Architecture.

- "Data warehousing" in course of Statistics.
- "Flow networks" in course of Algorithm Analysis.

Case Studies and Report Skills:

- A complete case analysis of the Famous French Fried Restaurant in the course Business and technical writing.
- Made a research report conducted at Lahore Zoo, titled as "Non-verbal communication of animals" in the course of Communication Skills.

HEC Research Project Report 1 and 2:

- The Data Warehouse Virtualization Framework for Enhanced Business Intelligence.

SUPERVISED PROJECTS

Have Supervised more than 30 Senior Final Year Projects of BSIT, BSCS, BSSE, and MSc.IT during 2008 -2011.

RESEARCH PUBLICATIONS

- (1) **Farrah Farooq**, Sidra Aslam, Sahbaz Sarwar, 2009. *QoS-Based MPLS Multicast Tree Selection Algorithms*, in Proceedings of the 7th ACM International Conference on Frontiers of Information Technology (FIT), Abbottabad, Pakistan. DOI: 10.1145/1838002.1838013.
- (2) Sidra Aslam, **Farrah Farooq**, Sahbaz Sarwar, 2009. *Power Consumption in Wireless Sensor Networks*, in Proceedings of the 7th ACM International Conference on Frontiers of Information Technology (FIT), Abbottabad, Pakistan. DOI: 10.1145/1838002.1838017.
- (3) **Farrah Farooq**, Syed Mansoor Sarwar, 2010. *Real-Time Data Warehousing for Business Intelligence*, in Proceedings of the 8th International Conference on Frontiers of Information Technology (FIT), Islamabad, Pakistan. DOI: 10.1145/1943628.1943666.
- (4) **Farrah Farooq**, Syed Mansoor Sarwar, Sidra Aslam, Asim Karim, 2011. *Data Warehouse Virtualization Framework for Operational Business Intelligence*, Expert System: The journal of Knowledge Engineering, Impact Factor: 1.23. *Under revision*.

BOOKS PUBLISHED

Farrah Farooq and Syed Mansoor Sarwar, 2011. *Real-Time Data Warehousing: A State-of-the-Art Survey, Frameworks, Data Acquisition Technologies, and Multidimensional Conceptual Modeling*. Lambert Academic Publication (LAP), ISBN: 978-3-8454-7541-7.

POSTER PRESENTATIONS

Farrah Farooq, Sidra Aslam, Ali Murtaza, and Mohammad Farjad, 2010. *Data Warehouse Virtualization Framework*, in 3rd Global Telecommunication Congress 2010 (TeleCON 2010) with a special emphasis on "Taking Pakistan to the Next Level of Technology Frontiers" organized at the Pearl Continental Hotel-Lahore, Pakistan.

REFERENCES

To be provided on request.