

# Mohammad Arif Butt

Highly skilled IT professional with strong problem solving and project management skills

Muhammad Arif Butt

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## Salient Features

- Currently working as full time Assistant Professor in College of Information Technology at University of the Punjab Lahore
- Five years of technical / administrative working experience in software houses
- Ten years of management and teaching experience in various set ups of Pak Army
- Received two **Gold Medals**, one during MSc (CS) and other in MPhil (CS) program
- Function well in fast-paced environment
- Willing to take on extra responsibilities to get work done
- Detail-oriented, multi-tasker with strong organizational skills
- Able to work with and maintain relations with staff and clients on all levels
- Tactful team player, thrive within group environment. Enjoys a pleasant personality

## Academic Qualifications

<u>Examinations</u>	<u>Institutions</u>	<u>Year</u>	<u>Division</u>
PhD (CS)	Punjab University Lahore	2016	(Thesis Viva left)
MPhil (CS)	Punjab University Lahore	2009	1 <sup>st</sup> ( <b>Gold Medal</b> )
MSc (CS)	Punjab University Lahore	2005	1 <sup>st</sup> ( <b>Gold Medal</b> )
Graduation	Pakistan Military Academy Kakul	1989	1 <sup>st</sup>
Intermediate	Govt. Science College Lahore	1986	1 <sup>st</sup>
Matriculation	Don BosCo High School Lahore	1984	1 <sup>st</sup>

## Employment History

- **Assistant Professor Punjab University College of Information Technology** 09/2008 – till date

### Job Description

- Degree Coordinator BS Computer Science program
- Domain Head Computer Architecture and Digital Logic Design
- Member Board of Studies
- Member Disciplinary Committee
- Member Unfair Means Committee
- Worked as Chief Security Officer Punjab University in 2011
- Teaching subjects includes Operating System, System Programming, Computer Architecture, Digital Logic Design, and Introduction to Computing

- **Lecturer Punjab University College of Information Technology** 03/2005 – 09/2008  
Job Description
  - Degree Coordinator BS Computer Science program
  - Domain Head Computer Architecture
  - Domain Head Digital Logic Design
  - To update the curriculum of BCS and MCS
  - Teaching subjects includes Computer Architecture, Operating Systems, Digital Logic Design and Introduction to Computing
  
- **Worked as Project Manager in Star Solutionz.** 04/2002 – 06/2007  
Job Description
  - Dealing with the clients, understanding their requirements and later act as a bridge between the clients and various sections of the software house
  - Participated in development of various medium/small Enterprise level Projects
    - Library System of School of Military Intelligence (Pak Army)
    - Army Recruitment & Selection Center (Pak Army)
    - Complete Accounting System for Lahore Chemical Industries
    - Pay Roll System for Sharment Fabrics
    - Accounting, Inventory, Production and HRM for Fazal Younas Industries.
    - Accounting System for Samar Traders
    - Accounting & Inventory System for Gul Ahmed Fabrics
    - Complete Accounting System for Bilal Carpets
  - Established computer networks of the following organizations:
    - Rangers Head Quarters Punjab (Pak Army)
    - Army Recruitment & Selection Center (Pak Army)
    - Fazal Younas Industries
    - Lahore Chemical Industries
  
- **Project Manager Gates College of Computer Sciences and Software Engineering** 05/2000 – 03/2002  
Job Description
  - Project Manager IT
  - To update the curriculum of BCS and MCS
  - To handle the problems of the students regarding their courses
  - Bridging gaps between staff, teachers and the students
  - Supervise various certification courses
  - Teaching Computer Architecture, Data Communication and programming languages
  
- **OIC IT Center School of Infantry and Tactics Quetta (Pak Army)** 11/1997 – 08/1998  
Job Description
  - Worked as OIC Computer Cell
  - Taught various IT courses
  
- **Instructor School of Infantry & Tactics Quetta (Pak Army)** 08/1996 – 10/1997  
Job Description
  - Taught various courses of Small arms at SI&T Quetta
  - Supervised the overall training aspects

- **Joined Pakistan Army**

1988

Job Description

- Served as staff as well as on instructional appointments in various units/formations
- Served in snowy mountains of Kashmir and Siachin
- Supervised the overall training aspects of soldiers

## **Research & Publications**

Books

- A. Butt (2010), Taxonomy of IDS: Intrusion Detection using System Call Sequence, Pearson Education, USA, ISBN: 3639294092

Journal Articles

- A. Butt and M. Akram, "A new intuitionistic fuzzy rule-based decision-making system for an operating system process scheduler", SpringerPlus, vol. 5, no. 1, pp. 1-17, DOI: 10.1186/s40064-016-3216-z
- A. Butt and M. Akram, "A novel fuzzy decision-making system for CPU scheduling algorithm", Neural Computing and Applications, vol. 27, no. 7, pp. 1927–1939, 2016
- Akram, S. Shahzad, A. Butt, and A. Khaliq, "Intuitionistic Fuzzy Logic Control for Heater Fans", Mathematics in Computer Science, vol. 7, no. 3, pp. 367–378, 2013

Theses

- Doctoral Dissertation: "Fuzzy Decision-making Systems for Operating System Kernel", 2016. (advised by Muhammad Akram)
- MPhil Thesis: "Taxonomy of IDS: Intrusion Detection using System Call Sequence", 2008. (advised by Syed Mansoor Sarwar)
- MSc Thesis: "Real Time Embedded System for Industrial Automation of LCI", 2005. (advised by Faisal Nadeem)