

# Murtaza Ali

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## Objective:

To work in an esteemed organization and to take challenging and managerial role in the field of Computer Science, implement my expertise, gain experience in this field and do PhD and become a Professor (InshAllah).

## Education:

- **Govt. College University Lahore.**
  - 🚦 **BS Computer Science Hons. (2013-2017), Final Semester CGPA (3.42)**
- **Govt. Islamia College Civil Lines Lahore.**
  - 🚦 **F.Sc (Eng.) 2011-2013. Marks (857/1100).**
- **Govt. Central Model High School Lower Mall Lahore.**
  - 🚦 **Matric (Computer Science) 2009-2011. Marks (904/1050)**

## Area of Interest:

- Which coding techniques should a software engineer adopt?
- Object Oriented Analysis in Software Engineering.
- “PhD” is my aim and “Teaching” is my passion.

## Professional Skills:

- **Programming Languages**
  - 🚦 C, C++, JAVA
  - 🚦 Visual Programming C#
  - 🚦 Android
  - 🚦 User Interface Building e.g. Windows Forms, WPF with Blend
  - 🚦 Software Quality Assurance
- **Web Development**
  - 🚦 HTML 5, CSS Bootstrap, php
  - 🚦 Asp.Net (MVC), ADO.net
- **Database**
  - 🚦 MS SQL Server
  - 🚦 MySQL
  - 🚦 Data warehouse (SQL Server with SSDT Integration to Visual Studio 2017 and ETL operations)
  - 🚦 MS Access

## Professional Experience:

I am working at TGI (**Tabz Group International**) as JAVA and Database developer, currently we are maintaining our developed live android application **Safr Ride** (Very much similar to UBER and CREEM) already deployed in USA. And now we are developing this app for Pakistan.

## Teaching Experience:

I have been teaching for 4 years to matric and inter classes

- New Lahore Science Academy (Physics + Mathematics) One year.
- Yousaf Science Academy (Physics + Computer Science). Six Months.
- National Groups of Academies (Physics + Computer Science) Three Years.

## Academic Projects Undertaken:

### **Project: Academy Management System**

**Team size:** 2

**Front End:** C# (Windows Forms)

**Back End:** File Handling

**Project description:** This project is actually a data management system to keep and manage students and teachers record in Academy.

### **Project: Personal Assistance Software**

**Team size:** 2

**Front End:** C# WPF (Windows presentation Foundation)

**Back End:** SQL database, C#

**Project description:** This is a multipurpose software having Contact Manager, Music Library, Photo Album and Short Note Manager. User can Add, Delete, View and Edit Contacts in Contact Manager, Music in Music Library, Pictures in Photo Album and Short Notes in Short Notes Manager.

### **Project: School Management System**

**Team size:** 1

**Front End:** Windows Forms

**Back End:** SQL database, C#

**Project description:** This project manages the data related to students and teachers like student record, student fee record, fine record, teacher salary record and attendance record etc.

**Project: Data warehouse for Glossary Store**

**Team size:** 3

**Back End:** SQL Server Enterprise Edition & SSDT (SQL Server Data Tool)

**Project description:** An organization ABC having trouble in their analysis. You are hired as an analyst for the solution of their problems. ABC sales different products. The organization wants to analyse the **sales:** Price per Unit, Sales Currency, Planned Quantity, Product Unit and Actual Quantity. The organization keeps Product id, Product Category, Product Manufacturer, Product Unit and Cost per Unit in EUR. This organization has many branches. Organization also has Branch Id, Sales Leader, Branch Address, Branch PLZ, Branch Place, Branch Country and Branch Region. This Organization also arranges campaigns from different branches to promote their products and keeps the record which products are sold by campaign from and from which branch. For campaign organization keeps Campaign Id, Media Type and Sale Leader (Employee name who is responsible). The organization also manages the Campaign Cost w.r.t branch to keep Promotion Cost and Promotion Date. The organization wants to make daily basis, monthly and yearly analysis. The organization also want to find which product is sold by which branch, product sold on campaign and under which sale leader maximum products are sold. Create Information packages and dimensional model for this scenario and implement a data warehouse for the organization.

**Final Year Project: E-Notice Board Web Application**

**Team size:** 2

**Front End:** Html, CSS, Bootstrap, Razor Engine C#

**Back End:** SQL database, Asp.Net (MVC), ADO .Net, Android

**Project description:** This is a web and Android based application which has two Interfaces one for admin and other for student. Admin will interact with application through website and Student will interact with an android interface. The admin can send specific notice files (having details about notice e.g. title, category, time stamp etc. ) through website to specific students (Roll no. wise, Semester wise, Session wise, Section wise, course wise and to repeaters as well). Student will receive notices on his android device. History is also maintain for every notices which are sent.