

# Md Modasshir

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## EDUCATION

**University of South Carolina**, Columbia, SC

**Doctor of Philosophy, Computer Science and Engineering**, expected May 2019

**University of Liberal Arts Bangladesh**, Dhaka, Bangladesh

**Bachelor of Science, Electronics and Telecommunication Engineering**, May 2012

## SKILLS

**Proficient** - Java, SQL, MySQL, J2ME, HTML, XML, CSS, MS Office

**Familiar**- C, C++, C#, .NET, Oracle, PHP, JavaScript, Joomla

**Operating Systems** - Windows 7/8, Linux

## RELEVANT EXPERIENCE

**University of South Carolina**, Columbia, SC

August 18, 2014- present

Graduate Teaching Assistant

- Assisting faculty members with lab sessions and exams.
- Delivering lectures and grading papers.

**Samsung R&D Institute Bangladesh**, Dhaka, Bangladesh

April 2013 - August 2014

Software Engineer

- Conducted system analysis and development for Samsung basic and android phones.
- Gained a comprehensive understanding of the end-to-end process of mobile commercialization projects.
- Analyzed requirement specifications and translated them to task breakdown.
- Identified and troubleshoot system software/user interface related issues of Samsung phones.
- Produced project deliverable within strict deadlines.
- Collaborated with Software Testing and Marketing team of Turkey, UAE, India and Korea.

**SMA Engineering Company**, Dhaka, Bangladesh

January 2012 - March 2013

Software Engineer

- Performed full application development from scratch in a small team.
- Performed coding and unit testing of new features and provided operational support to the customer.
- Researched for bug and provided resolution on any issues reported from customers.
- Provided local support including deploying the system at client's premises and troubleshooting.

**University of Liberal Arts Bangladesh**, Dhaka, Bangladesh

January 2011 – December 2011

Teaching Assistant

Core responsibilities include

- Assisted faculty members with classroom instruction, exams, record keeping, and other miscellaneous projects.
- Tutored students.
- Obtained materials needed for classes, including texts and other materials.
- Delivered lectures and graded papers.
- Proctored examinations.

## PROJECTS

**Automated Test Tool for Android Application**

August 2013 - March 2014

Tools used: Java (Core), Android.

Worked with an experienced team of 42 android developers to develop this tool to automate internal software testing in **Samsung R&D Institute Bangladesh**, therefore, reducing product development lifetime.

**Pass The Bomb**

May 2013 - October 2013

Tools used: Android, Samsung Chord API.

Working in a team of 5, developed this a multiplayer game for **Samsung R&D Institute Bangladesh** using Samsung Chord API, capable of creating its own hotspot allowing users to play without internet and any cost. Developed logic for two game modes and multimedia controlling classes. Designed preliminary front end.

**Inventory Management System (IMS), Client- Grameenphone Ltd.**

September 2012 - March 2013

Tools used: Java, MSSQL 2008, Oracle VMWare.

Designed and developed **IMS** to handle every aspect of management, providing the ability to track each step in the inventory life cycle from purchase to shipping of the product.

**Cafeteria Management System (CMS), Client- Grameenphone Ltd.**

April 2012 - September 2012

Tools used: Kiosk, Java, MSSQL 2008, Oracle VMWare, HID cards.

Developed to support food service that assists with menu planning, addition/deletion of employee, lunch package, meal consumption and counter wise report.

**Catering Service System (CSS), Client- Grameenphone Ltd.**

January 2012 - July 2012

Tools used: LCD dashboard, Splitter, Java, MSSQL 2008, Oracle VMWare.

Developed with a team of 5, an intranet online site which enables employees to order food without actually going to the cafeteria and F&B team gets notified of the orders in a dashboard at the kitchen.

### **HONORS AND AWARDS**

1. Gold Medalist and Summa Cum Laude in B.Sc in Electronics and Telecommunication Engineering from University of Liberal Arts Bangladesh (2<sup>nd</sup> Convocation).
2. Vice Chancellor's Honor's Scholarship (Consecutive 7 terms) in undergraduate.

### **PUBLICATIONS**

1. Khan, S. R., Al Mansur, A., Alvir Kabir, M., & Modasshir, A. A. M. (2012). Design of Data Acquisition System Implemented with a Free Cooling Unit (FCU) Controller For a BTS Room. The International Journal of Scientific and Engineering Research, 3(2).