

SAJEDUL KARIM TALUKDER

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OBJECTIVE | Looking for a position that will allow me to improve my current programming, communication and teamwork skills. From this position, I also seek the opportunity to learn new skills for my future career.

RESEARCH INTERESTS | Computer and Network Security, Data Mining, Cloud Computing, Storage Systems

EDUCATION | **Doctor of Philosophy in Computer Science 'Fall 2014 - Present**

Florida International University, Miami, Florida
GPA: 3.80

B.Sc. in Computer Science & Engineering '2014

Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh
Major (CS) GPA: 3.71 (In scale of 4.00)

Higher Secondary Certificate (H.S.C) '2008

Comilla Cadet College, Comilla, Bangladesh
GPA: 5.00 (In scale of 5.00) in all subjects
Obtained 4th position in Combined Merit List

Secondary School Certificate (S.S.C) '2006

Comilla Cadet College, Comilla, Bangladesh
GPA: 5.00 (In scale of 5.00) in all subjects
Obtained 2nd position in Combined Merit List

INDUSTRY AND RESEARCH EXPERIENCES

- **Research Intern** at Radio Interface Layer (RIL) Team
Samsung R&D Institute, Bangladesh (October 2013 to January 2014)
- **Research Intern** for Consular, Diplomatic Bag and Central Receipt Section
Ministry of Foreign Affairs, Bangladesh (January 2012 to January 2013)
- **Undergraduate Thesis:** Security Issues and protection Mechanisms of IP Mobility protocols
Supervisor: Dr. Md. Shohrab Hossain, Assistant Professor, Department of Computer Science and Engineering, Bangladesh University of Engineering and Technology, Dhaka, Bangladesh

NOTABLE PROJECTS

- **Digital Diary**
A complete digital notebook solution based on C
Project Duration: November 2009 – March 2010
- **SaSa Multimedia Player**
A multilanguage and multifunctional media player based on Java SE
Project Duration: July 2010 – October 2010
- **Digital Land Management System**
A digitalized version of land management system for Bangladesh
Project Duration: June 2011 – March 2012
- **Eboighor** (<http://www.eboighar.com/>)

A multifunctional e-commerce system based on PHP, MySQL and JavaScript
Project Duration: April 2012 – November 2012

- **Automated Drain Management System**
An automated drainage system of big cities based on AVR microcontroller and ultrasonic sensors
Project Duration: January 2013 – July 2013
- **Automation of Consular Services, Central Receipt Section and Diplomatic Bag Section of MOFA, Bangladesh**
A project of Ministry of Foreign Affairs, Bangladesh for the automation of internal services
Project Duration: September 2013 – April 2014

TECHNICAL SKILLS |

| Programming Skills: | Software Skills: |
|---|---|
| <ul style="list-style-type: none">▪ Android▪ Assembly▪ C▪ C++▪ C#▪ Java▪ JavaScript▪ LATEX▪ MySQL / Oracle▪ PHP▪ Prolog▪ Shell Scripting▪ Verilog | <ul style="list-style-type: none">▪ Adobe Dreamweaver▪ Adobe Flash▪ Adobe Illustrator▪ Adobe Photoshop▪ AVR Studio▪ Eclipse▪ Microsoft Visual Studio▪ Microsoft Office▪ MikTex▪ NetBeans IDE▪ Packet Tracer▪ Proteus▪ XAMP / WAMP |

SCHOLARSHIPS AND AWARDS |

- Talent pool Scholarship, HSC 2008, Comilla Education Board for Academic Excellence.
- Talent pool Scholarship, SSC 2006, Comilla Education Board for Academic Excellence.
- Talent pool Scholarship awarded for obtaining 2nd position in the Primary Scholarship Examination, 1999.
- Certificate of Participation, Intra Department Project Show '2011, CSE, BUET.
- Certificate of Excellency for being Runner Up in software category, Intra Department Project Show '2011 organized during CSE Festival '2011.
- Certificate of Recognition for being Runner Up in hardware category, Inter University Project Show '2013 organized during CSE Festival '2013

TEACHING EXPERIENCES |

Graduate Teaching Assistant

- CGS 2518 Computer Data Analysis (FIU, Fall 2014)
- CGS 2060 Introduction to Microcomputers (FIU, Fall 2014)

Volunteer Tutoring

- Structured and Object Oriented Programming
- Data Structures and Algorithms
- Operating Systems
- Assembly Language Programming
- Computer Architecture
- Database Systems

**EXTRA
CURRICULAR
ACTIVITIES**

- Computer Networks
- Active Member of Mobile Computing Group, CSE, BUET.
- Active Member of BUET Systems Analysis, Design & Development Group.
- Member of Badhon (a voluntary organization for blood donation, BUET Zone).
- President of Rover Scout Group, BUET.
- Member of Comilla Old Cadets Association (ACOC), conducted many social activities under this organization like Tree Plantation, Blood Donation, Cloths and Blanket Donation to poor people etc.
- Participated in CSE Undergraduate Project Show '2011, '2012 and '2013.
- Organized Cultural Program on behalf of Adyoy '08, CSE Festival '2011 and '2013 from Dept. of CSE, BUET
- Participated in Inter House Debate Competition, Inter House Extempore Speech Competition, Inter House Recitation Competition, Inter House Music Competition, Inter House Current Affairs Display Competition in Comilla Cadet College.
- Member of champion teams in Inter House Football Competition, Inter House Cricket Competition, Inter House Hockey Competition, Inter House Basketball Competition, Inter House Volleyball Competition and Inter House Indoor Games Competition in Comilla Cadet College.

**CONFERENCE
PAPERS**

Accepted International Conference Papers:

- Sajedul Karim Talukder, Md. Iftekharul Islam Sakib and Md. Mustafizur Rahman, "*Digital Land Management System : A new initiative for Bangladesh*", 1st International Conference on Electrical Engineering and Information & Communication Technology, 10-12 April, 2014, Dhaka, Bangladesh. (Going to be published in IEEE Xplore Digital Library)
- Sajedul Karim Talukder, Md. Iftekharul Islam Sakib and Md. Mustafizur Rahman, "*Model for E-Government in Bangladesh: A Unique ID Based Approach*", 3rd International Conference on Informatics, Electronics & Vision, 23-24 May, 2014, Dhaka, Bangladesh.

International Conference Papers Under Review:

- Sajedul Karim Talukder, M. I. I. Sakib, M. Faruk Hossen and Md. Shohrab Hossain, "Mobile IP Security Vulnerabilities: Modeling and Analyzing with Stochastic Game Net", International Conference on Networking Systems and Security (NSysS) Dhaka, Bangladesh, 2015 (under review)