

Monjura Afrin Rumi

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Education

Graduate student, **Computer Science**

Fall, 2014 – Present

George Mason University (GMU), Fairfax, VA.

B.Sc, Computer Science & Engineering, CGPA: 3.80

January, 2008 - February, 2013

Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh.

Technical Skills

Language	C, C++, Java, C#, Python, Lisp, CSS, HTML5, JavaScript, jQuery
Database	SQL, MySQL, Oracle, MS Access
Others	ASP.NET, OpenGL, Matlab, Latex, HTML, WEKA

Work Experiences

Graduate Teaching Assistant, Department of Computer Science, GMU.

Fall, 2014 - Present

- Involved in instructing and grading Python labs, grading Database course.

Lecturer, Dept. of Computer Science & Engineering, Ahsanullah University of Science and Technology, Bangladesh.

November, 2013 - June, 2014

- Instructed Lab Course: Algorithm, Assembly Language Programming, Software Development, C Programming Language.

Software Engineer, REVE Systems, Bangladesh.

March, 2013 - to May, 2013

- Worked on a project for *video encode/decode* using FFmpeg library for Android Phone.
- Built an Android app that uses *Google Cloud Messaging* feature.

Relevant Projects

Website Design	Designed a replica of departmental website using HTML5, CSS3, JavaScript and jQuery.
Phishing website detection	Building a model in WEKA using Chi-Squared Evaluation and Random Forest to detect phishing websites.
Evolutionary Computation Framework	An evolutionary computation framework was built using Lisp. The framework was applied for solving symbolic regression and artificial ant problem.
Cancer Classifier	A binary classification model was developed for Breast Cancer using AdaBoost in Java.
Nim Game	An agent playing Nim game was developed in Lisp using reinforcement learning method.
VizResearch	A research oriented social networking site that binds location with research, built using ASP.NET, Oracle and Google map has been integrated.
Stand Out	An online donation and distribution site with the help of <i>crowdsourcing</i> , mass accessibility with voice call recording using windows mobile. Built for Microsoft Imagine Cup 2011 and was among top 5 in local grand finale.
TOEFL:	Built a software for online exam styled as TOEFL using java for foreground design and used Microsoft Office Access as database.

Honors and Awards

- **CRA-W Grad Cohort Travel Award.** 2015
- **Full Tuition Scholarship and Teaching Assistantship, GMU.** Fall, 2014 – Spring 2016
- **Championship award, Inter University Software Project contest, BUET.** 2011
- **University Dean's Scholarship, BUET.** Session 2009-2010, 2011-2013
- **University Merit Scholarship, BUET.** Session 2008-2013

Selected Publications

- **Monjura Afrin**, Asiful Hossain, and Mohammed Eunus Ali. Data Intensive Workflow Scheduling in the Cloud. (Workshop on Advances in Data Management, 2013, Dhaka, Bangladesh.)
- Sarah Masud, **Monjura Afrin**, Farhana Murtaza Choudhury, Syed Ishtiaque Ahmed. VizResearch: Linking the Knowledge of People and the People with Knowledge. (International Conference on Computational Science, 2012, Omaha, Nebraska, USA.)
- Mahfuza Sharmin, **Monjura Afrin**, and M. Sohel Rahman. Local Search Techniques for Placing Unique Restriction Sites in Synthetic Genomes. In the proceedings of Bioinformatics and Computational Biology, March 12-16, 2012, Las Vegas, Nevada, USA.