Syed Ashiqur Rahman
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RESEARCH INTERESTS

Obesity, **M**ortality **P**rediction **& H**ealth **I**nformatics
Pattern **R**ecognition **& M**achine **L**earning
Data Mining

EDUCATION

PhD Student Computer Science, From 2012
West Virginia University
CGPA: 3.93
B. Sc. in Computer Science and Engineering, April 2008
University of Dhaka, Bangladesh
- CGPA: 3.87
- Thesis Topic: *Mobile Adhoc Network*

PUBLICATION

Journal
- "Surface-Based Body Shape Index and Its Relationship with All-Cause Mortaltiy", SA Rahman, D Adjeroh PloS one 10 (12), 2015 [link]
- "Anomaly Intrusion Detection System in Wireless Sensor Networks: Security Threats and Existing Approaches", MS Islam, SA Rahman, International Journal of Advanced Science and Technology 36 (1), 1-8, 2011 [link]
- "A Hierarchical Overlay Design for Peer to Peer and SIP Integration", MS Islam, SA Rahman, R Ahmed, M Hasan, International Journal of Computer Science and Information Security 9 (6), 94, 2011 [link]

Conference
- " Determinants of User Ratings in Online Business Rating Services", SA Rahman, T Afrin, D Adjeroh, International Conference on Social Computing, Behavioral-Cultural Modeling, 2015 [link]
- " Automatic Detection of Helmet Uses for Construction Safety", AHM Rubaiyat, TT Toma, M Kalantari, SA Rahman, Proceedings of the IEEE/WIC/ACM WI Workshop on Advanced Methods in Optimization and Machine Learning (WI-BIH), 2016.

RESEARCH & WORK EXPERIENCE

West Virginia University.
Research Assistant   *January 2012 - till date*
- Working with Dr. Donald Adjeroh on *Health Informatics, Age Prediction*

Daffodil International University.
Lecturer, Dept. of CSE   *January 2009 - January 2012*
- Member of the Research Lab of Professor Syed Akhter Hossain
- Coach of ACM Programming Team

Ericsson Bangladesh Ltd., Dhaka, Bangladesh
Member, RND-Team   *Jan 2008 – Jan 2009*
- Involved on the total RND cycle *From field data collection to radio network optimization*
- Worked on *Network Deployment & Integration*

- Worked on *Radio Access Network*
- Professional Training on *3G, GSM, GPRS*

University of Dhaka.   *2002 - 2007*
- Participated in the Research Group of Wireless Ad-hoc Network under Prof. Asif Hossain Khan focusing on Topology Management. The goal of the thesis was to find criteria to alleviate the 'Construction and Maintenance Problem' of Connected Dominating Set based on energy level along with mobility. Avoiding the consideration of both criteria individually the thesis propound to aggregate both the criteria to get better performance and maintainability of connected dominating set.

Skills

Programming Languages
Proficient in: R, Matlab, C/C++.
Familiar with: Python.

Operating Systems
Microsoft Windows 7/10, Ubuntu

Tools
Environments: Microsoft Visual Studio, RStudio.
Design: Inkscape, Microsoft Visio
Engineering: MATLAB, R, Packet Tracer, RouterSim.
Documentation: LATEX, Microsoft Word.

Awards

Travel Grants
- SBP-BRiMS Student Travel Award, 2016
- SBP-BRiMS Student Chair, 2015
- SBP-BRiMS Diversity Scholarship, 2014

Merit Scholarships
- **Full Funding for B.Sc., Computer Science** University of Dhaka
- **Ministry of Education, Government of Bangladesh**
    - Excellence in Higher Secondary Certificate Examination, 2001-2005
    - Excellence in Secondary School Certificate Examination, 1999-2001

Projects

Software Projects
- Vehicle Brand Identification (Image Processing)
- Pattern Recognition on Real world data using different algorithm
- Design and Devlopment of Pay Role Mangement Module in ERP
- Image Matching Application
- 3D view of a stadium, by OpenGL & C
- A Simple Compiler for Pascal, by lex-yacc & C
- IPC Problem using both threading and resource sharing

Reference

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Department of LCSEE
West Virginia University
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