Syed Ashiqur Rahman
PhD Candidate, West Virginia University

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OBJECTIVE I want to play a significant role in the process of creating and transferring knowledge through research. My professional objective is to pursue a research career in a research organization in the area of Deep Learning, Machine Learning, and Health Informatics.

EDUCATION **PhD in Computer Science**, West Virginia University
- Advisor: Dr. Donald Adjeroh, Professor, Department of Computer Science, West Virginia University

B. Sc. in Computer Science and Engineering *Graduated: December 2007*
University of Dhaka, Dhaka, Bangladesh
- Thesis Topic: *Topology Management for Wireless Ad-hoc Network*
- Advisor: Dr. Asif Hossain Khan, Assoc. Professor, Dept. of CSE, University of Dhaka

EXPERIENCE **Graduate Research Assistant** *Current Position*
- West Virginia University

Daffodil International University.
Lecturer, Dept. of CSE *January 2009 - December 2011*
- 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*

PUBLICATION **Journal**
- "Deep Learning using Convolutional LSTM estimates Biological Age from Locomotor Physical Activity", **SA Rahman**, D Adjeroh (Scientific Reports), 2018 (in processing)
- "Estimating Adult Age from Human Body Shape", **SA Rahman**, D Adjeroh (Journal of Biomedical and Health Informatics), 2018 (under review)
- "Centroid of Age Neighborhoods: A New Approach to Estimate Biological Age", **SA Rahman**, D Adjeroh (Journal of Biomedical and Health Informatics), 2018 (under review)
- "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
- " 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.
- " 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]

NOTABLE ACADEMIC PROJECTS
- Mini-places Challenge : Scene Recognition by CNN in **Python(Keras & Tensorflow)**
- Vehicle Brand Identification (Image Processing) in **Matlab**
- Anthropometric information to MakeHuman in **R & Python**
- Bengali Handwriting Recognition in **Matlab & R**
- LDA modeling in online business ratings in **R & Python**
- Design and Development of Payroll Management Module in ERP

HONORS, AWARDS & ACTIVITIES
- CITeR Student Travel Award, 2018
- SBP-BRiMS Student Travel Award, 2016
- SBP-BRiMS Student Chair, 2015
- SBP-BRiMS Diversity Scholarship, 2014
- Ministry of Education, Government of Bangladesh
- Excellence in Higher Secondary Certificate Examination, 2001-2007
- Excellence in Secondary School Certificate Examination, 1999-2001