

Syed Ashiqur Rahman

PhD Candidate, West Virginia University

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OBJECTIVE To play a significant role in the process of creating and transferring knowledge through research by pursuing a research career 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*), 2019 (2nd revision)
• “Centroid of Age Neighborhoods: A New Approach to Estimate Biological Age”, **SA Rahman**, D Adjeroh (*Journal of Biomedical and Health Informatics*), 2019 (under review)
• “Estimating Adult Age from Human Body Shape”, **SA Rahman**, D Adjeroh (*IEEE Transactions On Human-Machine Systems*), 2019 (under review)
• “Surface-Based Body Shape Index and Its Relationship with All-Cause Mortality”, **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**, M Hasan, *International Journal of Computer Science and Information Security* 9 (6), 94, 2011 [link]
Conference
• “Centroid of Age Neighborhoods: A Generalized Approach to Estimate Biological Age”, **SA Rahman**, D Adjeroh (*The IEEE-EMBS International Conference on Biomedical and Health Informatics*), 2019.
• “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
• IEEE BHI Student Travel Award, 2019
• 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