

Mohammad Nahid Hossain

Research Enthusiast

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DOB: June 16, 1995



Objectives

To build a career as a data science researcher or academician and work to make a better world.

Work Experience

- Sep 2019 – **Research Assistant**, SMART H&B LABORATORY, KWANGWOON UNIVERSITY, Seoul, Korea.
Present Working under some supporting organizations of research grant projects based on blockchain, big data, AI, machine learning, etc.
- Jan 2018 – **Lecturer**, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, INSTITUTE OF SCIENCE TRADE AND TECHNOLOGY (ISTT), Dhaka, Bangladesh.
Aug 2019
o Examiner, National University
o Faculty Member, ISTT ACM Student Chapter
o Mentor, HEAP Programming Club, ISTT
- Sep 2016 – **Lab Assistant**, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH (AIUB), Dhaka, Bangladesh.
Dec 2016 Help students to build up problem solving skills, making lab manuals, taking lab courses and exams on C++(Object Oriented) as well as evaluate lab performance.

Publications

Journals

1. **Mohammad Nahid Hossain**, Mohammad Helal Uddin,, et al., **Detecting cognitive impairment status using keystroke patterns and physical activity data among the older adults: A machine learning approach**, Under Review at SAGE.
2. Mohammad Helal Uddin, **Mohammad Nahid Hossain**, et al., **A Machine Learning Approach to Detect Human Depression by Monitoring Physical and Social Media Activity utilizing a Hybrid Data Acquisition Method**, Under Review at Hindawi.
3. Mohammad Helal Uddin, **Mohammad Nahid Hossain**, K.Thapa, S.H. Yang, **An Efficient Approach Applying a Deep Learning Algorithm to Chest X-ray Images and Analyzing Patient Symptoms to Predict COVID-19-Infected Patients**, Under Review at IEEE.

International Conferences

1. Mohammad Helal Uddin, **Mohammad Nahid Hossain**, Asif-ur-Rahman, **A Routing Protocol for Cancer Cell Detection Using Wireless Nano-Sensors Network (WNSN)**, In: Kaiser M.S., Bandyopadhyay A., Mahmud M., Ray K. (eds) Proceedings of International Conference on Trends in Computational and Cognitive Engineering. Advances in Intelligent Systems and Computing, vol 1309. Springer, Singapore..
Here the link is given.

2. Mohammad Helal Uddin, **Mohammad Nahid Hossain**, S.H. Yang, **An ANN-based Approach to Identify Smart Appliances for Ambient Assisted Living (AAL) in the Smart Space**, In: Kaiser M.S., Bandyopadhyay A., Mahmud M., Ray K. (eds) Proceedings of International Conference on Trends in Computational and Cognitive Engineering. Advances in Intelligent Systems and Computing, vol 1309. Springer, Singapore..
Here the link is given.

Education

- 2019–2021 **M.Sc. in *Electronic Engineering***, *Kwangwoon University*, Seoul, Korea, Republic of., CGPA: **4.22** (on the scale **4.50**).
Thesis: Detecting cognitive impairment status using keystroke patterns and physical activity data among the older adults: A machine learning approach.
- 2013–2017 **B.Sc. in *Computer Science and Engineering***, *American International University-Bangladesh (AIUB)*, Dhaka, Bangladesh, CGPA: **3.78** (on the scale **4.00**).
Thesis: A Routing Protocol with Energy Harvesting Model for Wireless Nano Sensor Network in Cancer Cell Detection.
- 2010–2012 **Higher Secondary Certificate**, *Milestone College*, Dhaka, Bangladesh, GPA: **5.00** (on the scale **5.00**).
- 2010–2012 **Secondary Secondary Certificate**, *Badda Alatumnessa Higher Secondary School and College*, Dhaka, Bangladesh, GPA: **5.00** (on the scale **5.00**).

Research Interest

Machine Learning, Deep Learning, Biomedical Engineering, Data Mining, Data Science, and Computer Vision.

Projects

- Sep 2019 – Aug 2021 **Development of Transparent Apartment Management Service Based on Blockchain Technology**, KOREA EVALUATION INSTITUTE OF INDUSTRIAL TECHNOLOGY, cooperation KSign, Korea, Republic of.
- Sep 2019 – Aug 2021 **IoT Appliance Big Data Utilization Support Project**, KOREA ELECTRONICS ASSOCIATION, Korea Electronics Association, Korea, Republic of.
- Jan 2021 – Aug 2021 **Development of AI-based Smart Housing Platform and Service Technology**, KOREA ELECTRONICS ASSOCIATION, cooperation PowerVoice, Korea, Republic of.
- Sep 2020 – Dec 2020 **Digital Entry System**, ANDROID APPLICATION, Korean Company, Korea, Republic of.
An android application project made for a Korean company for a digital entry system. User information will be verified and stored by two servers respectively.

Computer Skills

Programming Languages	PYTHON, JAVA, C/C++, ANDORID, JAVASCRIPT, MYSQL, SQL, MATLAB
Development Tools	ANDROID STUDIO, NETBEANS, VISUAL STUDIO, ORACLE, TABLEAU, XAMPP, LATEX
Library & Framework	TENSORFLOW, KERAS, PYTORCH, NUMPY, SCIKIT-LEARN, MATPLOTLIB
ML IDE & Platform	JUPYTER, PYCHARM, ANACONDA, MICROSOFT AZURE STUDIO, WEKA

Online Training

1. **Neural Networks and Deep Learning**, Coursera, Credential ID: EC938YVS9U38

2. **Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization**, Coursera, Credential ID: EBJ8QKCQ73R6
3. **Structuring Machine Learning Projects**, Coursera, Credential ID: 69AYQQ5E77HA
4. **Convolutional Neural Networks**, Coursera, Credential ID: NUUUJMNJHQP
5. **Sequence Models**, Coursera, Credential ID: A5YFL97UEZMG

Languages

Bengali **Native Speaker**
 English **Fluent**

Awards & Certification

2019-2021 **Assistant Researcher Participation**, Kwangwoon University, Seoul, Korea Republic of.
 2020 **Deep Learning Specialization 5 Courses**, online, coursera
 2015 **National Hackathon 2015**, ICT Division, Dhaka, Bangladesh
 2015 **ACM-ICPC International Programming Contest 2015**, ICPC
 2014 **10th in AIUB Junior Programming Contest**, ACC, AIUB
 2013 **Cisco Basic Networking Certificate**, Cisco, netacad, AIUB

Personal Information

Father's Name Mohammad Amzed Hossain
 Mother's Name Naznin Begum
 Gender Male
 Nationality Bangladeshi
 Marital Status Unmarried
 Blood Group O(+ve)
 ORCID orcid.org/0000-0002-7423-2096
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References

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