

MINHAZ UDDIN AHMED



Room No: 1312, Hi-Tech Center,
Inha university, Incheon, South Korea.
Mobile: (82)-010-2312-1524
Email: minhaz_21@yahoo.com
minhaz.ahmed@gmail.com

RESEARCH INTEREST

Computer Vision –Object Recognition, Human Action Recognition, Active learning, Machine Learning- Deep Learning,

EDUCATION

PhD Candidate

Mar2011- 2019

Advisor: Prof. Phill Kyu Rhee

GPA: 3.46

Intelligent Technology Lab

Department of Computer Engineering

Room No: 1312, Hi-Tech Center,

Inha university, Incheon, South Korea.

Dissertation: Roll back based Active semi-supervised learning for human action recognition.

M.Sc in Computer Science

Result: First Class

Advisor: Dr. Md. Haider Ali (Prof, DU)

Thesis: Banknote Identification System

Examination: (held in 2009) passing year 2010

Shaikh Burhan Uddin Post Graduate College (under **National University**),

Gazipur, Bangladesh

B.Sc (Hon's) in Computer Science (4 year course)

Result: First Class

Project Name: "Noise Remove and Fingerprint Recognition."

Examination: (held in 2005) Passing year: 2006

Shaikh Burhan Uddin Post Graduate College (under **National University**),

Gazipur, Bangladesh

RESEARCH EXPERIENCE

Graduate student Researcher,

Intelligent Technology Lab, Inha University, Incheon, South Korea.

Place Recognition. (matconvnet, matlab)

Active Learning for human Activity Recognition (python, caffe), Face Expression recognition (matconvnet, matlab)

Convolutional Neural Network -FastRCNN (python ,caffe)

BOW, multiple object tracking. HOG, Hadoop, Cloud Computing, Map Reduce, Abnormality detection, codebook opencv,SIFT, SURF.

GRADUATE TEACHING ASSISTANT

Pattern Recognition, Fall, 2017 (Instructor, Phill Kyu Rhee, Ph.D)

C Programming, Spring, 2017(Instructor, Abolghasem Sadeghi-Niaraki,Ph.D.)

Java Application programming, Fall, 2016 (Instructor, Tamer Abuhamed, Ph.D.)

Creative Engineering Design, Fall,2015 (Instructor, Phill Kyu Rhee, Ph.D)

Internet programming Spring, 2015, (Instructor, Abolghasem Sadeghi-Niaraki,Ph.D.)

EMPLOYMENT

Position: Lecturer

Employer: Inha University,

(<http://eng.inha.ac.kr>)

253 Yonghyun-dong, Nam gu Incheon, 402-751 Korea.

Mode of employment: Part time.

Responsibilities: Taught the undergraduate students, conducted course "System

Programming,” “Automata and Intelligent Computing”, “Image processing and understanding”, “Intelligent Information System”.

Duration of Job: From March, 2011 to 2014

Position: Senior Programmer

Employer: Ministry of Fisheries & Livestock

(<http://www.mofl.gov.bd>)

Bangladesh Secretariat , Dhaka-1000

Mode of employment: Full time.

Responsibilities: Enhance MIS software; perform coding and database design.

Development Platform: C#, .Net Framework 2.0

Duration of Job: From **October, 2008** to **February 2011**

Position: Software Engineer

Employer: Epsilon Consulting and Development Services

(<http://www.ecds-tech.com>)

Mode of employment: Full time.

Responsibilities: Develop software as a team member; perform coding, and database design.

Development Platform: C#, .Net Framework 2.0 (Microsoft web developer 2005).

Duration of Job: From **January, 2007** to **October, 2008**

Position: Software Engineer

Employer: Probity-Systems Limited

(<http://www.probity-systems.com>)

Mode of employment: Full time.

Responsibilities: Develop software as a team member, perform coding, testing.

Development Platform: J2EE, SQL server, Tomcat.

Duration of Job: From **January 01, 2006** to December 2006

SELECTED PUBLICATIONS (Peer reviewed Journal articles)

Minhaz Uddin Ahmed, Kim Jin Woo, Kim Yeong Hyeon, Md. Rezaul Bashar, Phill Kyu Rhee, **Wild Facial Expression Recognition Based on Incremental Active Learning**. Cognitive System Research, 2018, **Elsevier**,

Minhaz Uddin Ahmed, Kim Jin Woo, Phill Kyu Rhee “Two-Person Interaction Recognition based on Effective Hybrid Learning” KSII TRANSACTIONS ON INTERNET AND INFORMATION SYSTEMS, 2018

Minhaz Uddin Ahmed, Kim Yeong hyeon, Md. Rezaul Bashar, Phill Kyu Rhee “Effective Human Action Recognition Using Adaptive Deep Learning” Pattern Recognition letter, Elsevier. (under review)

Dong Kyun Shin, **Minhaz Uddin Ahmed**, Phill Kyu Rhee, “Incremental Deep Learning for Robust Object Detection in Unknown Cluttered Environments” **IEEE Access**, 2018

Phill Kyu Rhee, Enkhbayar Erdenee, Shin Dong Kyun, **Minhaz Uddin Ahmed**, Songguo Jin, Active and semi-supervised learning for object detection with imperfect data, Cognitive System Research 45 (2017) 109–123, **Elsevier**, 2017

Miyoung Nam, **Minhaz Uddin Ahmed**, Yan Shen, and Phill Kyu Rhee, “**Mouth Tracking for Hands-free Robot Control Systems**” International Journal of Control, Automation, and Systems, vol. 12, no. 3, pp.628-636, 2014

Shin, Hak-Chul; Shen, Yan; Khim, Sarang; Sung, WonJun; Ahmed, **Minhaz Uddin Ahmed**; Hong, Yo-Hoon; Rhee, Phill-Kyu; “Performance Improvement of Eye Tracking System

using Reinforcement Learning” KOREA SCIENCE journal, 2013

**(peer reviewed
conference articles)**

Minhaz Uddin Ahmed, Kim Jin Woo, Miyoung Nam, Md Rezaul Bashar and Phill Kyu Rhee, “A Deep Learning based approach for Human Action Recognition” 1st International Conference on Machine Learning and Data Engineering (iCMLDE), 2017

Minhaz Uddin Ahmed, Abolghasem Sadeghi-Niaraki, Md. Rezaul Bashar and Soo-Mi Choi, “DSTUS: A Deep Learning approach for Smart Traffic Updating System in GIS” 1st International Conference on Machine Learning and Data Engineering (iCMLDE), 2017

Shibo Han, **Minhaz Uddin Ahmed**, Phill Kyu Rhee, “Monocular SLAM and Obstacle Removal for Indoor Navigation” International Conference on Machine Learning and Data Engineering (iCMLDE), 2018

Kim Jin Woo, **Minhaz Uddin Ahmed**, Md Rezaul Bashar and Phill Kyu Rhee, “High Efficiency Facial Expression Recognition based Active Semi-Supervised Learning” 1st International Conference on Machine Learning and Data Engineering (iCMLDE), 2017

Yongzhe Xu and **Minhaz Uddin Ahmed**, “3D building reconstruction based on line detection algorithm” 1st International Conference on Machine Learning and Data Engineering (iCMLDE), 2017

COMPUTER SKILLS

Standard programming efficiencies in languages: C++, C#, Java, Matlab, python
Operating Systems: LINUX, WINDOWS.
Deep Learning Tools: Caffe,
DATABASE: MSSQL, MSSQL, ORACLE
Application Software and Packages: MS-Office, SPSS, Adobe Photoshop.

**AWARD AND
HONORS**

- Rotary Foundation scholarship award. September 2015.
- Jungseok Scholarship award, Inha University, Mar 2011-Dec 2013
- Best voluntary award, Incheon Talk House, Dec 2013
- Voluntary work award, Korean National Commission for UNESCO, Dec 2012
- Voluntary award from **GCSTMR** (Global Circle for Scientific, Technological and Management Research) Sydney, Australia, 2017.

INVITED TALKS

- Introduction to Deep Learning, Inha University, Incheon (July, 2016)
- Cloud Computing, Inha University, Incheon (December, 2012)

**EXTRA CURRICULAR
ACTIVITIES**

- Student Member of **IEEE** (Institute of Electrical and Electronics Engineers).
- Active member **Internet Society (ISOC Bangladesh Dhaka Chapter)**
- Member of **CVF** (Computer Vision Foundation)
- Member **Bangladesh Computer Society**.

**PROFESSIONAL
ACTIVITIES**

Reviewer of computer vision conference – ICMLDE, GECCO, VISAPP

References:

Available on request

