NAIMUL HAQUE

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CONTACT

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• Google Scholar • Linkedin • GitHub

OBJECTIVE

To pursue a challenging and research-oriented career in the fields of Computer Vision and Machine Learning.

RESEARCH INTERESTS

• Computer Vision • Deep Learning • Machine Learning • Robotics

EDUCATION

M.Sc. in Computer Science *2019 - Present*
Jahangirnagar University CGPA: -
Thesis: Bangla License Plate Restoration using a Super-Resolution Generative Adversarial
Advisor: Dr. Mohammad Shorif Uddin, B.Sc. Engg. (BUET), M.Tech.Ed.(Japan), Ph.D.(Japan)

B.Sc. in Computer Science and Engineering *2014 - 2018*
Ahsanullah University of Science and Technology CGPA: 3.712/4
Thesis: Grayscale Image Colorization
Advisor: Dr. S.M.A. Al-Mamun, Professor & Dean (AUST)

Higher Secondary Certificate *2012-2014*
Notre Dame Collage GPA 5/5

Secondary School Certificate *2010-2012*
Milestone College GPA 5/5

PUBLICATIONS

Journal Paper

N. Haque and S. S. Tokey, "**Grayscale Portrait Colorization using Optimization and MTCNN Face**", Southeast University Journal of Computing Sciences, Volume 1, No 1, June 2021

Conference Paper

N. Haque and S. S. Tokey, "**Grayscale Portrait Colorization using CNNs and Pretrained VGG-Face Descriptor**", 2019 22nd International Conference on Com-puter and Information Technology (ICCIT), Dhaka, Bangladesh, 2019, pp. 1-5, doi

Submitted Manuscript

N. Haque, H. Miah, R. I. Niloy, S. O. Bhuiya, "**Hand Written Alphabets Generation using Generative Adversarial Networks**", 24th International Conference On Computer and Information Technology (ICCIT), Dhaka

S. O. Bhuiya, **N. Haque**, "**Autonomous Garbage Collector Rover Using Image Processing**", 24th International Conference On Computer and Information Technology, Dhaka

TEACHING EXPERIENCE

Lecturer April 2018 - Present
Department of CSE, Manarat Int. University

Responsibilities:

- Conducting undergraduate classes
  - CSE-433: Neural Network and Fuzzy Systems
  - CSE-436: Pattern Recognition
  - CSE-210: Algorithm
  - CSE-314: Microprocessor and Interfacing
- Undergraduate thesis supervision
- Preparing Course Offering and Academic Routines
- Training Competitive Programming

Adjunct Lecturer October 2021 - Present
Department of CSE, Ahsanullah University of Science and Technology

· Conducting undergraduate Lab class: CSE 3214: Operating System

PROGRAMMING EXPERIENCE

Game Developer January 2017 - June 2018
Telapoka, Google Playstore

Tools: Unity Game Engine, C#

Freelance Programmer June 2018 - January 2018
Fiverr

Skills: • Data Visualization • Computer Vision • Deep learning • Python Programming

Programming Activities
Online Submissions:

• UVa Online Judge • Hackerrank • Kaggle

RESEARCH PROJECTS

Gray-scale Portrait Colorization using Deep Learning
Automatic Colorization of a gray-scale image sounds trivial at first but it's not that simple. With the advance of AI and Deep Learning, full automation of colorization has been achieved only in recent years. In my undergrad thesis, I used Deep Learning techniques to color only portrait images using Convolutional Neural Networks (CNN) and a pretrained VGGFace descriptor. View Project

Bangla License Plate Restoration using a Super-Resolution Generative Adversarial

Bangla Handwritten Digits Datasets For Machine Learning
Compressed top 3 Bangla Handwritten digit datasets (NumtaDB BanglaLekha Ekush) for Machine Learning View Project

Sales prediction with Random Forest
This is a (Kaggle Competition) based on a dataset consisting of daily sales data, provided by one of the largest Russian software firms (1C Company). The challenge is to predict the total sales for every product and store in the next month. I prepared a notebook demonstrating my skills in Machine Learning as well as Data Wrangling. View Project

TECHNICAL SKILLS

- **Programming Languages:** C/C++, C#, Python, Matlab
- **Web Programming:** Python (flask)
- **System Administration:** Unix/Linux
- **Application Development:** Windows, Android
- **Developer Tools:** Git, Google Cloud Platform
- **Document Processing:** LaTeX, MS Office, Adobe Illustrator
- **Deep Learning Libraries:** Tensorflow, Keras, Pytorch, Numpy, OpenCV

ACCOLADES

1^{st} **Position** in Inter University ADEX Engenius 2017
Software Development Competition
Team - Telapoka

2^{nd} **Position** in Intra AUST Line Following Robot Competition
Robot Competition
Team - AUST Vector 101

1^{st} **Position** in Intra AUST Project Show CSE
Software Development Competition
Team - Z Warriors

2^{nd} **Position** in Intra AUST Project Show CSE
Software Development Competition
Team - Z Warriors

2^{nd} **Position** in Techfiesta 17
Software Development Competition
Team - Telapoka