S. MAHMUDUL HASAN

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EDUCATION

Bangladesh University of Engineering and Technology, Dhaka *2014 - 2018*
B.Sc Engg. in Computer Science and Engineering (CSE)
CGPA: 3.65 / 4.00

STANDARDIZED TEST SCORES

GRE: 328/340
Quantitative: 167/170 (90th Percentile) **Verbal:** 161/170 (88th Percentile)
Analytical Writing: 4.5/6.0 (81st Percentile)

TOEFL: 113/120
Reading: 30/30, **Listening:** 29/30, **Speaking:** 24/30, **Writing:** 30/30

RESEARCH INTEREST

I am broadly interested in Deep Learning, Machine Learning, Computer Vision, Natural Language Processing and Data Mining.

WORK EXPERIENCE

Canadian University of Bangladesh, Dhaka February 2019 - September 2019
Lecturer, Department of CSE

Instructed courses (including labs) on Structured Programming Language, Compilers, Computer Networks and Mobile Application Development.

REVE Systems, Dhaka April 2018 - July 2018
Intern

Worked on development of Bangla Text To Speech (TTS) systems. Developed a system for collecting and annotating Bangla speech data.

Bangladesh University of Engineering and Technology August 2017 - October 2018
Undergraduate Researcher, Department of CSE

Worked on collection of disease outbreak data, disease nature data and data on socio-economic factors of different countries of the world. Did thesis on discovering potential socio-economic factors for disease outbreaks.

RESEARCH

Undergraduate Thesis
Biological Data Mining

Accumulated data on different diseases' natures and their outbreaks, and different socioeconomic conditions of different countries around the world. Analyzed the data using different statistical and machine learning techniques to infer the potential socioeconomic factors that can contribute to disease outbreaks.
Supervisor: A. B. M. Alim Al Islam

Research Paper
Revealing Influences of Socioeconomic Factors over Disease Outbreaks

A paper ready to be submitted based on undergraduate thesis work.

TECHNICAL STRENGTHS

Programming Languages	C/C++ , Python , Java, HTML, CSS, JavaScript, LaTeX
Software & Tools	Git, Android SDK, JavaFX, Tkinter, Python Flask, Ionic Framework

PROJECTS

Image Data Collection System
Image Data Collection and Labeling System
An application, built using Ionic Framework, for collecting and labeling image data for ML and DL tasks. It has an integrated backend, built using Python Flask.

BrackFire
Fire Service Calling and Tracking Application
A firewatch system that can be used to call nearby fire station, alert nearby devices (with the app) and track the fire service car as it responds to a call. Implemented backend database, tracking, and push notification systems using Firebase API, Google Maps and Firebase Cloud Messaging API.

FileShare
File sharing across platforms
A two part system, for file sharing between Windows, Android and Linux using a common Wifi network, built using JavaFX and Android SDK.

MediaPlayer
A simple MP3 and MP4 player
A Media Player, which can play MP3 and MP4 and supports creation and saving of playlists, built using JavaFX.

Two Player Games Database
Generic Database for Two Player games
A Database which can be adapted to save informations related to a number of two player games (e.g. Chess, Go, Checkers, etc). It also supports forums.

AWARDS AND SCHOLARSHIPS

- Dean's List, January 2017

- University Stipend, July 2017

- Board General Scholarship in HSC (2013)

- Board Talent Pool Scholarship in SSC (2011)

EXTRA CURRICULAR ACTIVITIES

Competitive Programmar
Used to solve programming problems and take part in Competitive Programming Contests
UVA Profile Link: https://uhunt.onlinejudge.org/id/404339

REFERENCES

A. B. M. Alim Al Islam
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Department of CSE,
BUET, Dhaka.
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