MEGDAM AHMED CHOWDHURY
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EDUCATION

Master of Science in Mathematics   Expected April 2023

Texas A&M University-Commerce, Commerce, TX; GPA 3.87

Bachelor of Science in Statistics   Jan 2015-Dec 2019

University of Dhaka, Dhaka, Bangladesh; GPA 3.13

WORK EXPERIENCE

Graduate Teaching Assistant   Jan 2021- Current

Texas A&M University-Commerce, Commerce, Texas

- Lead discussion sections, tutorials, or laboratory sections.
- Evaluate and grade examinations, assignments, or papers and record grades.
- Schedule and maintain regular office hours to meet with students. ☐ Prepare or proctor examinations.
- Meet with supervisors to discuss students' grades or to complete required grade related paperwork.

Trainee Executive   May 2020 – Dec 2020

MGH Group, Dhaka, Bangladesh

- I worked in one of their sister concern group named OBHAI, which is a ride sharing app where I worked with a large scale of data set and conducted report for daily basis, performed accurate data management.
- Made a Brief view of the daily data through SPSS, MS WORD and MS EXCEL. Identified the problems and worked as a team to reach the goal

RESEARCH PROJECTS

                                                                       Feb 2018 – Oct 2018

Cause of Depression in University Students

- Collected, studied and interpreted medium scale data set. Conducted Report, performed accurate, successful data management done by SPSS, MS WORD, R.

Build and Run a Neural Network with Attention Mechanism for Image recognition   Sep 2021 - Dec 2021

- We investigate neural network variant known as the Convolutional Neural Network and compare its performance accuracy with another CNN with a Multi-head Attention layer built into it.
- Used MNIST data-set of Handwritten digits for classification task. Our Model achieved a validation accuracy of 99.19%.

LSTM Model for Multivariate Time Series Data Prediction   Jan 2022-April 2022

- We used Multivariate data of stock market price and used our LSTM model to predict the future value of next 90 days.
- Our model achieved 91.1% accuracy.

COMPUTATIONAL SKILLS

- **Programming language**: SPSS, STATA, PYTHON,R
- **Office :** Microsoft Word, Microsoft Excel, LaTex
- **Online Homework Software:** My MathLab, StatCrunch

Conference

LSTM Model for Multivariate time Series Data prediction

- Poster Presentation at Federation Symposium 2022. The presentation has a permanent URI
  https://hdl.handle.net/11274/13629

RESEARCH INTEREST

- Bayesian statistics, survival analysis, multivariate statistics, stochastic process, data mining, statistical computing, time series, and longitudinal data analysis

LANGUAGE PROFICIENCY

- Strong reading, writing and speaking competencies for English and Bangla

ADDITIONAL AWARDS & EXPERIENCE

Graduate Supplementary Funding	2020-2021
Bill Gloria mathematics Scholarship	2020-2021
Full Tuition Waive for MS in mathematics in Texas A&M University-Commerce	2021-Current
Joe B Hinton International studies endowment	2022-2023
Dr. J & S Shirley Endowment	2022-2023

Service and Out-Reach

- Global Student Association-Texas A&M University-Commerce (**President**)   Jan2022 -May2022