MOHAMMED SAIDUL ISLAM

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OBJECTIVE

Recently worked as a part-time Lecturer at Islamic University of Technology. I have a strong interest in multi-disciplinary research, particularly in the fields of Computer Vision, Natural Language Processing, Data Science, Machine Learning. Recent research experience includes undergraduate thesis on recommender systems at the CSE department of Islamic University of Technology.

EDUCATION

Bachelor of Science in Computer Science and Engineering   2016 - 2019
Islamic University of Technology, Gazipur, Bangladesh.
CGPA: **3.77**/4.00 (**8th** in class)
Last semester GPA: **4.00**

Higher Secondary Certificate   2013 - 2015
Chittagong College, Chittagong, Bangladesh.
GPA : 5.00/5.00

Secondary School Certificate   2011 - 2013
Collegiate School, Chittagong, Bangladesh.
GPA : 5.00/5.00

TECHNICAL SKILLS & INTERESTS

Coding	C, C++, Python, HTML5, CSS, MATLAB, Latex, MS Office
Tools	Android Studio, Jupyter Notebook, Intellij IDEA, Codeblocks
Research Interests	Computer Vision, Natural Language Processing, Machine Learning, Deep Learning

RESEARCH EXPERIENCE

Improving Deep Learning Based Recommender Systems Using Dimensionality Reduction Methodologies   2019
Undergraduate Research

· Recent Deep learning approaches have tremendously improved traditional Recommender Systems
· Addressing the sparsity problem and apply a combination of linear machine learning (wide model) and deep learning (deep model) approach to solve it.
· Generate important multi-order feature combination using feature transformation techniques to improve recommendation

ACADEMIC PROJECTS

E-ducation   2017
· An educational application developed using the language Java and the database is handled with Oracle SQL

Automated Attendance Monitoring System   2018
· An Android application as a coursework project to keep track of student's attendance using the NFC technology.

Online web store for University students   2018
· A web application of an Online webstore using JSP/Servlet, XML, XSL etc.

PERSONAL PROJECTS

Crop-Weed detection using CNN   2020
· This comprehensive notebook was created primarily as a practice notebook prior to participating in a hackathon, where the dataset consists of images of crop weeds, with Python, Tensorflow, and CNNs.

Battle of Neighborhoods   2020
· A data science capstone project for Applied Data Science Capstone project course by IBM.

Find-the-Best-Classifier   2020
· A repository for a basic machine learning/data science project, where multiple machine learning algorithms are compared with each other to find the best one. The dataset contained loan information of clients.

TEACHING EXPERIENCE

Worked as a part-time lecturer in the CSE department of Islamic University of Technology for one year.
Key Responsibilites: 2020

- Lab instructor for Database Management System, Data Structures, and, Computer Programming labs.
- Course instructor for "Computer Programming in C" course.

INTERNSHIP

Industrial trainee at XEON BD, training was mainly focused on website hosting and management.   2018

COMPETITION

Participated in a number of Kaggle-hosted data science competitions. Recently competed in the International Data Competition (IDAO) and was one of the top 30 teams out of 648 teams from 66 countries. Finished 26th at the end of the final stage.

HONORS AND AWARDS

Achieved the "OIC scholarship" in B.Sc. from OIC (Organization of Islamic Cooperation) which was worth $10,500; it waived the living and most of the tuition cost at the Islamic University of Technology for four years of the undergraduate study.   2016-2019

CERTIFICATION

Machine Learning
Completed a course on Machine Learning on Coursera authorized by Stanford University.   February 2019

Tensorflow in Practice Specialization
Completed Tensorflow in Practice Specialization course containing four courses on various fields of Deep Learning on Coursera online platform.   May 2020

IBM Data Science Professional Certificate
Completed IBM Data Science Specialization course containing nine courses on different fields of Data Science and Machine Learning.   April 2020

EXTRA-CURRICULAR ACTIVITIES

Reading books, Outdoor games, Photography.

REFERENCE

References are available on request.