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Taoseef Ishtiaq

B.Sc. in Computer Science and Engineering
North South University

Expertise

Hard Skills

Coding	<div style="width: 80%;"></div>
Data Science Skills	<div style="width: 80%;"></div>
Database Knowledge	<div style="width: 80%;"></div>
Problem Solving	<div style="width: 60%;"></div>

Motivation

Since my childhood I have the ambition to study in Computer Science and Engineering. With the aim I have completed my B.Sc. in Computer Science and Engineering from North South University. Studying the vast field of computer science I have come to know about lot of aspects of knowledge. Among them, the field of Algorithms, Data Science and Machine Learning have attracted me the most. I wish to take higher education exploring these fields. I also have the ambition to do research on corresponding field and contribute for the betterment of my country.

Educational Background

Soft Skills

Leadership	<div style="width: 100%;"></div>
Collaboration	<div style="width: 80%;"></div>
Research	<div style="width: 80%;"></div>
Critical Thinking	<div style="width: 60%;"></div>

Field of Interest

Algorithms, Data Science, Machine Learning and Data Mining

Hobby

Traveling, Reading Books

Co-curricular Activities

Debating, Anchoring, Graphics Designing, Science Project Development, Event Organizing, Volunteering.

Programming Languages

Python	<div style="width: 80%;"></div>
Java	<div style="width: 70%;"></div>
SQL	<div style="width: 80%;"></div>
Arduino	<div style="width: 80%;"></div>
Javascript	<div style="width: 70%;"></div>
Maven Framework	<div style="width: 80%;"></div>
PHP	<div style="width: 60%;"></div>
Android	<div style="width: 70%;"></div>

Experience

1. Research Assistant at North South University in a Funded Project.
2. Teaching Assistant at North South University for the courses Data Structure and Algorithm.
3. Member R&D NSU ACM Students Chapter.
4. Sub-Executive NSU ACM Students Chapter- Logistics and Administration.
5. Former intern as front end developer at Doctobaari (<https://doctorbaari.com>)
6. Vice President Administration - IDEAL SCIENCE AND TECHNOLOGY AIMING RESE
7. Chief Advisor and Debater - IDEAL DEBATING CLUB (Session 2011-12)ARCH COUNCIL (Session 2012-13).
8. President Administration - NOTRE DAME SCIENCE CLUB (Session 2014-15)

Other Computer Expertise

MS Office	<div style="width: 100%;"></div>
Adobe Illustrator	<div style="width: 100%;"></div>
Adobe Photoshop	<div style="width: 100%;"></div>

Languages

Fluent in Reading, Speaking, Writing in

Projects and Research Work

1. Conference Paper at WMSCI 2019, Orlando, Florida, USA, entitled, "Road State Classification of Bangladesh with Convolutional Neural Network Approach". (Indexed by Scopus)
2. Conference Paper at World Conference on Smart Trends in Systems, Security and Sustainability 2019, at London Metropolitan University, entitled, "A Convolutional Neural Network Approach for Road Anomalies Detection in Bangladesh with Image Thresholding". (<https://ieeexplore.ieee.org/abstract/document/8903936>)
3. Conference Paper at IEMCON 2019, Vancouver, Canada at University of British Columbia, entitled "A Minimalist Model of IoT based Sensor System for Sewage Treatment Plant Monitoring".
4. Crops yield prediction using Machine Learning algorithms.
5. Conference Paper at IEMCON 2017, Vancouver, Canada at University of British Columbia, entitled "An Advanced Application to Decrease Household Power Consumption and Save Energy Detecting the Weather Condition."
6. Doctorbaari app development: Front End (For a startup).
7. An IoT based device to calculate energy consumption and sending data to server automatically.
8. Checking Weather Information: Java Maven Project.
9. Bus Ticket Booking System- Java Maven Project.
11. Ekota- The social defender (A site based on social needs).
12. Online Water level indication and automated data sending to server.

Achievements

1. Champion in Thesis and Capstone Project Showcasing, "A Complete Road Health Monitoring System for Bangladesh". (Based on Computer Vision and other Deep Learning Data Mining Techniques)
2. 2nd Runner Up IEEE Day Hackathon 2017
3. 2nd Runner Up NSU Intra University Line Follower Robot Competition Summer 2017
4. Board Scholarship (Merit Category) in SSC Examination 2013
5. Board Scholarship (General Category) in HSC Examination 2015
6. Various achievements in science fairs, extempore speech and Math, Physics and Biology Olympiad competitions.

Future Goal

Since the very beginning of my undergraduate life I have engaged myself in studies and research. Under the supervision of some of the best faculties I have explored number of fields in Computer Science like: Electronics, IoT, Data Mining, Computer Vision, Machine Learning and others. My undergraduate thesis is based on a computer vision work, which I would like to extend further. My future goal is to involve in higher studies to pursue a career in research and academics. I wish to achieve my higher education in Data science or machine learning field. With my research experience I wish to contribute in my country's economy and future field of computer science.