Tanvir Wazy Ullah Patwary

Date of Birth: 08 September, 1994

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HackerRank: https://www.hackerrank.com/tanvir_wazy

Career Objective

To associate with and give my absolute best for an organization that will properly utilize my strengths and skills along with presenting me with an excellent working environment for personal as well as professional growth.

Education

B.Sc. in Computer Science (May 2015 – August 2019) *CGPA 3.60 out of 4.00*
BRAC University

Higher Secondary Certificate (June 2011 - June 2013) *GPA 5.00 out of 5.00*
Sylhet M. C. College Group: Science

Secondary School Certificate (January 2009 - March 2011) *GPA 5.00 out of 5.00*
Blue Bird High School, Sylhet Group: Science

Skill Set

- **Programming Languages:** *Expert* in Java, Python, JavaScript
  Intermediate in C, MATLAB
- **Web Technologies:** HTML, CSS
- **Database:** MySQL, PostgreSQL
- **Framework:** Bootstrap, Django
- **API:** RESTful API (Done a project on RESTful API as part of the Coursera course "RESTful API with HTTP and JavaScript".
  Certificate Link: https://coursera.org/share/64d04299547c18b05e047c53143371e7)
- **Version Control:** Git
- **Software:** Latex, Cisco Packet Tracer

- **Technical Skills:** Data Structure, Algorithms, Computer Networks, System Analysis and Design, Machine Learning
- **Complementary Skills:** Perseverance, Strong will to learn, Adaptability, Team player, Quick learner, Persistence, Commitment, Detail-oriented.

Undergraduate Thesis and Projects

Human Recognition Using Wireless Router Signal (*September 2018 – August 2019*)

-Undergrduate Thesis

Human identity identification and gender detection from a group of 50 people using Channel State Information(CSI) and applying three machine learning algorithms, which are: SVM, KNN and Multilayer Perceptrons.
{You can read the paper from: http://hdl.handle.net/10361/12775}

IOT Based Hydroponics System

The project aims at helping the people by providing data such as water temperature, PH level and water level distance through sensors which is sent on devices through internet, programmed with NodeMCU microcontroller and Blynk local server.

Basic Analysis of Energy Consumptions and Productions (*Python*)

Prediction about future energy consumptions and productions by analyzing past data for USA and China by using different machine learning algorithms in Python.

Flight Booking Management System (*Java, MySQL*)

A project for booking and buying air tickets for domestic routes in Bangladesh using Java and MySQL.

Energy Saving Smart Fan System Using Arduino

A smart fan built on Arduino microcontroller which can detect human presence and measure temperature with the help of temperature and sonar sensor to automatically turn on or turn off an electric fan as needed to ensure power efficiency.

Academic Achievements & Extracurricular Activities

- **Executive Member**: BRAC University Computer Club and BRAC University Adventure Club.
- **Member:** Official Football Teams of Summer 2015 and Residential Semester-40**.**
- **Merit-based scholarship:** BRAC University (2015-2018)
- **Scholarship based on SSC and HSC Results**: Sylhet Board
- **Government scholarship in class 5 & class 8**

References

Dr. Amitabha Chakrabarty Associate Professor Department of Computer Science and Engineering BRAC University 66 Mohakhali, Dhaka-1212. Email: amitabha@bracu.ac.bd Cell: +8801956028754 Phone (Office): +8804478444111 Relation: Thesis Supervisor	**Engr. Md. Mafizul Islam Bhuiyan** Superintending Engineer S & D Operation (West Zone 1 & 2) Dhaka Electric Supply Company Limited (DESCO) House: 03, Road: 06, Block: C, Banani, Dhaka-1213. Email: mbhuiyan780@gmail.com Cell: +8801713090586 Office Tel: 02-9820545 Relation: Uncle