Uzzal Podder
Computer Science majors

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Programming

Java
Go Python C++
PHP
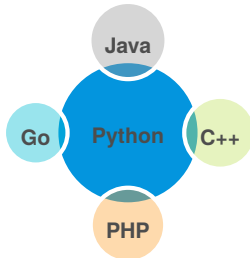
Database
MySQL + Cluster
Oracle
Memcached

Proficient at
Data Structure
Graph Theory

ML Framework
Tensorflow
Scikit-learn

Methodologies
OOP
Design patterns
VCS

Interest
Deep Learning ★★★★★
NLP ★★★★★
Data Mining ★★★★★
Robotics, IoT ★★★★★

Self Assesment

I am comfortable with the unknown, which is why I can fight through confusions and contradictions. I enjoy going with uncertainties and can follow a systematic approach to deal with complex problems. I believe I am endowed with an earnest creativity. To clarify, I am able to meditate with abstract imagination, and I have adequate patience to bear successive failures to accomplish a goal. I strive to find the right questions that need to be addressed, and then keep honestly exploring for the fit answers. With all these, I think, I also hold the transformational leadership qualities.

Projects

● **Bangla Optical Character Recognition for Compound Character.**
Using Deep Learning (Convolutional Neural Networks) this can recognize handwritten Bangla Compound Character. Which can be used in image to text conversion. *[Technology used: Tensorflow, Python]*

● **Bangla Part-Of-Speech Tagger**
Using Long Short Term Memory (LSTM) architecture of Recurrent Neural Network it can tag 8 different Bangla Part-Of-Speech. *[Technology used: Tensorflow, Python]*

● **Home Automation System using IoT Technology**
Different kinds of security including theft alarm, fire alarm, gas alarm, face recognition based calling bell and notification over internet and sms. *[Technology used: Raspberry Pi, Arduino, IOIO, Sensors, Android device]*

● **Drone Stabilization System using Accelerometer and Gyroscope Sensor Fusion**
Combining accelerometer and gyroscope data this can control a drone and stabilize it. *[Technology used: Android device, Gyroscope and Accelerometer, Arduino, IOIO]*

● **Fingerprint based Authenticated and Encrypted Messaging Protocol in Android device.**
This Android Apps helps establishing a secured messaging system. Message are encrypted and every time fingerprint is needed for reading or sending SMS. *[Technology used: Android device with Fingerprint Sensor, Java]*

● **Official web apps of Bangabandhu Sheikh Mujibur Rahman Science and Technology University(BSMRSTU)**
It is the official website of BSMRSTU. This dynamic website facilitates different kind of notice, assignment, official document uploading and manages inter work communication for teachers or administrative members. *[Technology used: PHP, Ajax, HTML, CSS, JavaScript, MySQL]*

● **Online based Automatic Subject Selection System**
Students are automatically selected for desired subject based on their choice and merit position in written exam. It is currently used in BSMRSTU. *[Technology used: Python, PHP, HTML, CSS, JavaScript, MySql]*

Web Framework

Spring
Hibernate
Django
Bootstrap CSS

Familiar with

Docker
Octave
Weka
OpenCV
Arduino
Raspberry pi
Cisco Packet Tracer

Languages

Bengali ★★★★★
English ★★★★☆

Additional Skills

Growth Mindset
Critical Analytics
Leadership
Emotional Intelligence

Other info

Date of birth: 01-09-1994
Nationality: Bangladeshi
Gender: Male
Address: Padmadanga, Kodalia (9380), Mollahat, Bagerhat, Bangladesh
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Reference

Hanif Seddiqui
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Nesarul Hoque
Assistant Professor,
CSE dept., BSMRSTU
Gopalganj-8100
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Publications

Mrinal Kanti Baowaly , Uzzal Podder, Cheng-Te Li
Understanding Foursquare Venue Popularity in Taiwan and a Comparative Study with the USA
The 19th International Conference on Computer and Information Technology (ICCIT).

Education

2013 - 2017   **BSc in Computer Science and Engineering**   Bangabandhu Sheikh Mujibur Rahman Science and Technology University (BSMRSTU), Gopalganj, Bangladesh,
Thesis: Face Recognition- A Fused Deep Learning Approach
CGPA: 3.14/4.00

Honors & Awards

2017   **1st Runner up in LICT Code Fest**
Ministry of Information and Communication Technology, Bangladesh

2016   **Champion**
NASA Space Apps Challenge 2016 finalist nominee(Rajshahi)

2016   **Best Young Inventor**
National Digital Innovation Fair 2016

2016   **BSMRSTU Best Innovator**
BSMRSTU Youth Summit 2016

2016   **Champion**
Dhaka Divisional Science and Technology Fair 2016

2015   **Regional Champion**
National Mobile Application Development Awarness and Capacity Building Program

2015   **Champion in Project Showcasing(Mobile Apps)**
CSE IT Carnival 2015, BSMRSTU

2014   **Champion**
International Contest on Programming and System Development 2014

Outreach and Social Service

- **Academic Member** in *Bangladesh Mathematical Olympiad.*
- **Academic Member and Mentor** in *Bangladesh Open Source Network.*
- **President of Network and Web Club** in *Bangabandhu Sheikh Mujibur Rahman Science and Technology University (2015-2016).*
- **Secretary of Information and Technology** in *Prothom-Alo Bondhushava, Gopalganj District (2015-2016).*
- **Co-founder** of *BSMRSTU Photography and Cinematic Society.*
- **Academic Member and Volunteer** in *National High School Programming Contest 2015, 2016, 2017.*
- **Former Scout Leader** of *Boy Scouts, Bagerhat.*
- **Volunteer** in *BADHON, a blood donation group.*