

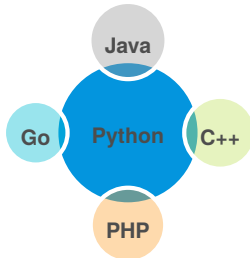


Uzzal Podder

Computer Science majors

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Programming



Database

MySQL + Cluster
Oracle
Memcached

Proficient at
Data Structure
Graph Theory

ML Framework
Tensorflow
Scikit-learn

Methodologies
OOP
Design patterns
VCS

OS Preference
GNU/Linux ★★★★★
Windows ★★★★★
MacOS ★★★★★

Self Assessment

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 ★★★★★

Transferable skills

Leadership
Groth mindset
Positive thinker
Emotional intelligence
Critical thinker

Personal info

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

Reference

Hanif Seddiqui
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Nesarul Hoque
Assistant Professor,
CSE dept., BSMRSTU
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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).

Honors & Awards

2017	1st Runner up in LICT Code Fest <i>Ministry of Information and Communication Technology, Bangladesh</i>
2016	Champion <i>NASA Space Apps Challenge 2016 (Rajshahi Region)</i>
2016	Best Young Inventor <i>National Digital Innovation Fair 2016</i>
2016	BSMRSTU Best Innovator <i>BSMRSTU Youth Summit 2016</i>
2016	Champion <i>Dhaka Divisional Science and Technology Fair 2016</i>
2015	Regional Champion <i>National Mobile Application Development Awareness and Capacity Building Program</i>
2015	Champion in Project Showcasing(Mobile Apps) <i>CSE IT Carnival 2015, BSMRSTU</i>
2014	Champion <i>International Contest on Programming and System Development 2014</i>

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

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.