



Md. Masud Rana

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Programming



Education

- 2015 - 2019 **Bachelor of Science in Computer Science and Engineering**
Ahsanullah University of Science and Technology
Cumulative G.P.A.: 3.795/4.00
- 2012 - 2013 **Higher Secondary Certificate(HSC)**
Ishwardi Government College
G.P.A.: 5.00/5.00 BOARD:Rajshahi
- 2010 - 2011 **Secondary School Certificate(SSC)**
Sara Marwari School and College, Ishwardi
G.P.A.: 5.00/5.00 BOARD: Rajshahi

Skills

- Basic concept of C, C++, Python, Octave, Java, PHP, MVC,SQL, Oracle PL/SQL
- Basic concept of Machine learning, Deep learning, Natural Language Processing (NLP)
- Little working experience in Deep learning frameworks like Keras , PyTorch and Tensor-flow
- Knowledge about android application development, Web development, and embedded system
- Competitive programming
- Solved 500+ problems over various renowned judge

Certifications

- MAY 2018 **Machine Learning** [Coursera:Stanford University](#)
This course provides a broad introduction to machine learning, data-mining, and statistical pattern recognition. Topics include: (i) Supervised learning .(ii) Unsupervised learning (iii) Best practices in machine learning
Certificate Link: <https://bit.ly/2Hgh6rv>
- JUN 2018 **Deep Learning in Python** [DataCamp](#)
This is the Basics of deep learning and neural network course. By this course one can learn practical knowledge of how to use deep learning with Keras 2.0.
Certificate Link: <http://bit.ly/2TxyT42>

Personal Skills



DEC 2018

Deep Learning Specialization

[Coursera:deeplearning.ai](https://www.coursera.org/deeplearning)

This course is divided into five sub courses. I have completed all of these five courses. These courses are (i) Neural Networks and Deep Learning (ii) Improving Deep Neural Networks (iii) Structuring Machine Learning Projects (iv) Convolutional Neural Networks (v) Sequence Models

Certificate Link: <https://bit.ly/2F965pE>

Thesis

Generating alternative expression for a face in an image (on going)

The target of our work is to generate facial expression of a person based on his/her expected expression that describe by his/her input text. Here we are using Generative Adversarial Networks (GAN) an advanced deep learning method.

OS Preference

Windows ★★★★★

GNU/Linux ★★★★★★

Languages

Bengali ★★★★★

English ★★★★★★

DEC 2016

Intra AUST Programming contest-Fall-16

Team name: Wrong Answer || Position: 2nd

MAY 2017

Intra AUST Programming contest-Spring-17

Team name: White_Crow || Position: 2nd

FEB 2017

Intra AUST Programming contest-Fall-17

Team name: AUST_Pipilika || Position: 4th

APRIL 2019

BUP IUPC 2019

Team name: AUST_WrongAnswer || Position: 28th

MAR 2019

Brain Craft Ltd. - SUB IUPC 2019

Team name: AUST_WrongAnswer || Position: 47th

FEB 2019

MIST IUPC 2019

Team name: AUST_WrongAnswer || Position: 57th

FEB 2018

Banglalion-SUB IUPC-2018

Team name: AUST_Pipilika || Position: 67th

AUG 2018

IUBAT NCPC-2018

Team name: Aust_WrongAnswer || Position: 69th

OCT 2018

US-Bangla Airlines-Green University of Bangladesh IUPC-2018

Team name: AUST_Pipilika || Position: 76th

Achievement

Academic Projects

- 2019 **Cloth Classification using Deep learning and Image Processing**
Tools used: Keras and OpenCV
Description: We made a model which is train by around 23000 6th categories of cloth images. This model can recognized 6th types of cloth.
- 2018 **Home Security With EigenFaceRecognizer Using Raspberry Pi and Arduino**
Tools used: Python 3.5, OpenCV, Raspberry Pi3, Arduino, Pi-Camera,
Description: It's a smart house security system based on password and face recognition technique. If a parson wants to entire this type smart house, needs to verify his/her identity by password or face verification.
Link: <http://bit.ly/2XPKt9f>
- 2016 **Bachelor House Management (Apps)**
Tools used: Android Studio, XML, JAVA, SQLite
Description: It's an android based mobile application which can calculate all monthly expenses for bachelor mess.
Link: <http://bit.ly/2FbNzNz>
- 2017 **Restaurant Management System (Online and On-place Restaurant)**
Tools used: Microsoft Visual Studio, MVC, .NET, Mircrosoft SQL, C#
Description: It's a restaurant management system which provide both online and on place service.
Link: <http://bit.ly/2O0mYpk>
- 2017 **E-Toilet a Online base Toilet site**
Tools used: HTML, CSS, PHP, MySQL
Description: It's an web-application by which user can get new Toilet post and contact with owner easily.
Link: <http://bit.ly/2HBR15N>
- 2016 **Web Browser With JavaFX (Desktop Software)**
Tools used: Netbeans, Java-FX
Description: By this application we can visit different website and streaming video easily.
Link: <http://bit.ly/2XU6PGx>
- 2018 **Restaurant Management System Using PL/SQL in Oracle10g**
Tools used: PL/SQL, Oracle10g
Description: It's mainly a Distributed database system project which can maintain different side load distributively.
Link: <http://bit.ly/2O17em5>