Ibtiaj Mahmud **Diljar**

Computer Science Engineer

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DoB : 28 July 1999 (22 years)

Career Objective

To secure a career opportunity in computer engineering with an organization to improve my skills and gain experience while contributing to the development of the organization.

Competences

Programming Languages	C, C++, Java, C#, Python
Machine Learning	TensorFlow, Pytorch
Web Development	HTML, CSS, Bootstrap, Laravel, PHP
Database Management	MySQL, Microsoft SQL, Oracle Database
Project Management	Git, GitHub
Operating Systems	Windows, Linux
Game Development	Unity

Work Experiences

June 2019 – May 2022 | **Undergraduate Assistant | North South University, Dhaka, Bangladesh**

- Programming Language - C
- Digital Logic Design
- Database Systems
- Computer Organization and Architecture

Code::Blocks | Logisim | MySQL | Canvas LMS

Education

January, 2022	Bachelor of Science in Computer Science and Engineering, Summa Cum Laude, CGPA : 3.83, North South University
2016	Higher Secondary Certificate, GPA : 5.00, Dhaka Residential Model College
2014	Secondary School Cerificate, GPA: : 5.00, Ideal School and College

Languages

Bengali	●●●●●
English	●●●●○

Elective Courses

- Neural Networks
- Natural Language Processing
- Theory of Computation
- Data Communication and Networking

Projects

Automatic Detection and Recognition of Offline Handwritten Cursive Bengali Text 2021

We proposed a pipeline for the automatic detection of handwritten Bengali text and a new Bengali Cursive Handwritten dataset.

LineCounter | OpenCV | CRNN

Analysing The Sentiment Behind Similar Words in Different Newspapers Using Word2vec 2021

We presented how different words are used in different newspapers. We created word2vec representations of articles taken from different newspapers including one compilation of fake news articles. We found how each newspaper represents a certain topic along with how each newspaper relates to the other.

Word2vec

Kidney tumor segmentation using 3D Unet 2020

To improve both the kidney and tumor dice scores, we tested with different loss functions that are often employed in 3D segmentation tasks. We also proposed applying log cosh and weights to improve some of the loss functions. We concentrated on increasing the segmentation of uncommon classes, resulting in a higher total segmentation score.

3D U-NET

Cell segmentation from microscopic images through deep learning 2020

In the project, we did instance segmentation on cell images taken from thin blood smears using Faster R-CNN. We have an accuracy of 77% while segmenting cells.

Faster R-CNN

Website Development for Fund Rising 2018

https://github.com/Ananism17/HelpingHandRebuild

We developed a website as a part of our coursework.

Laravel | PHP

References

DR. Tanzilur Rahman
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