

Nagifa Ilma Progga

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Work Experience

- Techved Consulting** / Associate UI Developer
March 2022 - Present
I am working with HTML5, CSS3, Bootstrap, Angular, Tailwind css.
- Asian Information Technology Ltd** / Software Engineer
April 2021 - February 2022
Currently, I am responsible for updating and developing websites for our clients.
- Biz-Motion Ltd** / Software Engineer
January 2020 - March 2021
I was responsible for developing and managing the web-based software (Angular) for our clients.
- AgamiLabs Ltd** / Internship
January 2019 - September 2019
I was responsible for developing web-based applications for our clients. I worked with javascript, Html & CSS.

Education

- 2016- 2020* **Bachelor of Computer Science**
From the University of Chittagong
- Scored: GPA 3.58
- 2013 – 2015* **Higher Secondary School Certificate**
From Rajuk Uttara Model College
- Dhaka Board,2015
 - Scored: GPA 5.00/5.00
- 2013* **Secondary School Certificate**
From Viqarunnisa Noon School
- Dhaka Board,2013
 - Scored: GPA 5.00/5.00
- 2010* **Junior Secondary School Certificate**
From Viqarunnisa Noon School

- Dhaka Board,2010
- Scored: GPA 5.00/5.00

Extra-Curricular Activities

- Participated in ACM ICPC DHAKA regional (2018)
- Obtained 3rd position in NGPC(national girls programming contest in 2018).
Reference Link:
<https://algo.codemarshal.org/contests/ngpc18/standings>
- Obtained 9th position in NGPC(national girls programming contest in 2017).
Reference Link :
<https://algo.codemarshal.org/contests/ngpc2017/standings>
- Obtained 4th position in NSU inter-university girls programming contest
Reference Link :
<https://toph.co/c/nsu-iugpc-2018-p/standings?start=0>
- Obtained 9th position in CUET inter-university programming contest

Online Course

- Currently doing a online course on coursera on **Node.js**

Personal Projects

- **Title** - CSECU Result Processing System

Description - This is a web app using which the teachers can process the complete grade-sheet of a student by providing his/her obtained marks in related semester courses. The students can also use this app to see their results.

Technology Used - HTML, CSS, Bootstrap, SQL,PHP

Project Link -

https://github.com/Proggallma/CSECU_result_processing_system

- **Title** - Online Cake Shop

Description - This is an android application done by using android studio. The back-end code is written in PHP (MySQL). Using this app, a user and a shop owner both can open an account. A shop owner can create his own shop and upload details about his shop and products. Whereas a customer can choose his desired cake from the available shops.

Technology Used - Java (Android), PHP, MySQL

Project Link - https://github.com/ProggaIlma/Online_CakeShop

- **Title** - Club Management System

Description - This app is written in java using android studio. The back-end code is written in PHP(MySQL). PhpMyAdmin is used as a local server. This app can be used to maintain several club activities. The authority of a club can post about their upcoming events. The user can get information about any club activities according to their interest and location. Such as debating club, science club etc.

Technology Used - Java (Android), PHP, MySQL

Project Link - https://github.com/ProggaIlma/Club_Management_System

Research Experience

Undergrad Thesis

1. “Emotion Detection From Images using Deep Learning”

This thesis has been done in the domain of deep learning under the supervision of Professor Dr. Mohammad Khairul Islam. In our research work, we have trained the neural network from the scratch using the dataset. The pre-processing of our dataset is done using the median filter and data augmentation. Other than that we have done experiments using various activation functions in our model. The system can classify images in real-time into five classes e.g love, fear, violence, happy and sad. The system was built using the **Python** programming language.

2. “A Deep Transfer Learning Approach to Diagnose Covid-19 using X-ray Images”

It has been done under the supervision of Professor Dr. Mohammad Shahadaat Hossain. Here we have used transfer learning to build a system for the automatic detection of covid-19 using chest x-ray images. The chest x-ray image dataset is pre-processed using histogram equalization on the dataset. The system was built using the **Python** programming language. The idea of this work has been accepted in the “**2020 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE)**”.

3. “Venomous snake detection using convolutional neural network”

It has been done under the supervision of Professor Dr. Mohammad Shahadaat Hossain. In our research work, we have trained our convolutional

neural network model from the scratch using the dataset. We have compared our results with available pre-trained models e.g VGG16, VGG19, Inception.