Musfika Jahan

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Education

Jahangirnagar University, Dhaka
Master of Science (M.Sc.), Computer Science and Engineering(CSE) April,2022- Present

Jahangirnagar University, Dhaka
Bachelor of Science (B.Sc.), Computer Science and Engineering(CSE) CGPA: 3.61/4.00
March,2017- 2022

Adamjee Cantonment College, Dhaka
Higher Secondary School Certificate(HSC) GPA: 5.00/5.00
2016

Shaheed Bir Uttam Lt. Anwar Girls' College, Dhaka
Secondary School Certificate(SSC) GPA: 5.00/5.00
2014

Working Experiences

- Completed 3 months internship in **BRAC IT Services Ltd(biTS)** as a **Business Analyst Intern**.
- Now working as an **Associate Business Analyst** in **BRAC IT Services Ltd(biTS)**.

Technical Skills

- Data Structures and Algorithms, Problem Solving (solved **300+** problems in **Codeforces, UVA**)
- Programming Languages**:** Proficient in **C/C**++, Java, basic level **in Python, MATLAB**
- Testing: **API Testing using Postman and JMeter, Manual Testing, JUNIT (basic level), UAT testing**
- Frameworks and Libraries**: Angular 8**
- Graphics Design: Adobe Illustrator, Adobe Photoshop, Adobe After Effects, Blender, Adobe Premiere Pro, Inkscape.
- Other**:** Git, HTML, CSS, MySQL, Firebase

Projects

- **Shopping Mall Management System (2018):** It is a management system for the transaction system and calculating monthly profit of a shopping mall.
    - ***Used Frameworks & tools*:** C++, Object-Oriented Programming.
- **OPenCHat(2019)**: OPenCHat is an android app that provides a platform for many important topical discussions where people can ask, answer, argue and chat.
    - ***Used Frameworks & tools*:** HTML, C, Java SS, XML, Android studio, Firebase (Real time Database)
- **Testing related works:** github.com/suptimusfika

Research Interests

Artificial Intelligence, Digital Image Processing, Convolutional Neural Network, Data Mining, HCI(Human Computer Interactions)

Publications

An extensive dataset for successful recognition of fresh and rotten fruits

Supervised by: Dr. Mohammad Shorif Uddin, Professor, Department of CSE, Jahangirnagar University.

The fundamental works of this research are given below:

- Offering a major dataset to researchers for developing efficient algorithms so that these algorithms can classify fruits more accurately based on their types and states.
- Validation of this dataset by investigating different deep learning models to find the optimum one.

The accepted paper can be found here: https://doi.org/10.1016/j.dib.2022.108552

Ongoing Research

Deep Learning-Based Automated Vehicle Parking Slot Detection

Supervised by: Dr. Mohammad Shorif Uddin, Professor, Department of CSE, Jahangirnagar University.

The key objectives of this research are given below:

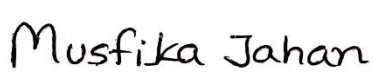
- To ensure better management and usage of intelligent parking systems.
- To reduce traffic congestion and fuel emissions.

Achievements

- Secured 5th place in NSU IUGPC in 2018. (Team Name: JU_Tiara)
- Participated in NGPC in 2019.
- Secured 12th place in NSU IUGPC in 2019. (Team Name: JU_Baymax)
- Participated in ADA Lovelace NGPC in 2020.
- Participated in ADA Lovelace Datathon 2021.
- Got Scholarship from Jahangirnagar University for being in **top 50** on the basis of academic result both in 1st Year and 2nd Year.
- Got Government scholarship in H.S.C. (General grade)
- Got Government scholarship in Primary School (Talentpool grade)

Declaration

I hereby declare that all the information contained in this resume is in accordance with facts or truths to my knowledge. I take full responsibility for the correctness of the said information.



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