ARIFA AKTER

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EXPERIENCE

Software Engineer
Bangladesh Software Solution

📅 February 2023 – Present

Area of work:
Languages: Python FastAPI, C#, React, & VBA
Responsibilities:
Collaborating with mechanical engineers at Crusader Caravans, Australia, developing AlphaCam and SolidWorks software add-ins and macros to automate tasks seamlessly, reducing the need for human intervention. My contributions also extended to web development.

Trainee Software Engineer (Intern)
Japan Bangla Coders LTD

📅 September 2022 – January 2023

Area of work:
Language: Go

Undergraduate Teaching Assistant
United International University

📅 November 2021 – June 2022

Responsibilities:
Assisting teachers in classwork, helping students with the course contents, and grading lab performance, assignments, lab reports, etc.

RESEARCH EXPERIENCE

1. Md. Tarek Hasan, Md Al Emran Hossain, Md Saddam Hossain Mukta, **Arifa Akter**, Mohiuddin Ahmed, and Salekul Islam, **A Review on Deep-Learning-Based Cyberbullying Detection**
   Published on: Future Internet 2023, Volume 15, Issue 5, 179; an Open Access Journal by MDPI 🔗

2. Md. Tarek Hasan, **Arifa Akter**, Mohammad Nazmush Shamael, Md Al Emran Hossain, Mutasim Billah, Sumayra Islam, and Swakkhar Shatabda, **Adaptive Tabu Dropout for Regularization of Deep Neural Networks**
   Published on: ICONIP 2022: Neural Information Processing pp 355–366 🔗

3. Decision prediction and abstractive text summarization
   Status: Under Review, submitted to Elsevier

4. An Artificial Intelligence-based Framework to Achieve the Sustainable Development Goals in the Context of Bangladesh
   Published on 5th International Conference on Sustainable Development (5th UIU-ICSD 2022)

AWARDS

- **25-100% Scholarship** in all the trimesters for an excellent result 🔗
- **Runner-up** in **CoronaThon-19 (An international hackathon focusing on combating the Coronavirus)** 🔗
- **Finalist** in **Blockchain Olympiad Bangladesh, 2021** 🔗
- **Champion** in **UIU CSE Project Show, Fall 2021** 🔗
- **Second Runners-Up** in **UIU CSE Project Show, Summer 2019** 🔗

CODING COMPETITION

- **14th** in **Inter University Girls' Programming Contest Season 2** 🔗
- **Champion** in **UIU Coders Combat 2.0 (Girls' Category)** 🔗
- **Participated** in **National Girls' Programming Contest 2019** 🔗
- **Participated** in **National Girls' Programming Contest 2021** 🔗

EDUCATION

B.Sc. in Computer Science and Engineering 🔗
United International University

📅 Passing Year: June, 2022

CGPA: 3.91 out of 4.00

Higher Secondary Certificate
Rajuk Uttara Model College, Uttara, Dhaka

📅 Passing Year: 2016

GPA: 5.00 out of 5.00

CERTIFICATES

ITEE Level 2 FE (Half Passer - Morning Exam) 🔗
Information Technology Professionals Examination Council, Japan

📅 Passing Year: October, 2022

Version Control with Git 🔗
Authorised by Atlassian (offered through Coursera)

Algorithmic Toolbox 🔗
Authorised by University of California San Diego and HSE University (offered through Coursera)

TECHNICAL SKILLS

- **Research works**
- **LaTeX**
- **Programming Languages:** Python, C#, Go, VBA, Java, C, C++ (STL)
- **ML Model Training Tools:** Scikit-learn, TensorFlow, PyTorch
- **Visualization Tool:** Matplotlib

ACADEMIC COURSEWORK

- **Data Structure, Grade: A (4.00)**
- **Data Structure Laboratory, Grade: A (4.00)**
- **Algorithms, Grade: A- (3.67)**
- **Algorithms Laboratory, Grade: A (4.00)**
- **Pattern Recognition, Grade: A(4.00)**
- **Pattern Recognition Lab, Grade: A(4.00)**
- **Simulation & Modeling, Grade: A- (3.67)**
- **Simulation & Modeling Laboratory, Grade: A (4.00)**
- **Machine Learning, Grade: A (4.00)**
- **Introduction to Bioinformatics, Grade: A- (3.67)**
- **Probability and Statistics, Grade: A (4.00)**

PROJECTS

- **Daily Production Review**
  Adept at utilizing Production Line Management Software to streamline and optimize caravan manufacturing processes.
  Backend: Python FastAPI
  Frontend: React

- **Oshiruco app** 🔗
  A specialized social media app designed for users aged 50 and above.
  Backend: Go

- **UIU EMAS** 🔗
  UIU Event Management, and Archiving System is a platform that will allow us to host the events systematically and virtually.
  Tools:
  Backend: Django 3.2, Python
  Frontend: HTML, CSS, JavaScript, jQuery
  Blackbox Testing: Selenium (Python)
  Documentation: MkDocs
  Database: MySQL

- **HostelChai.com** 🔗
  A platform that can help students to find the perfect hostels for them.
  Tools:
  Languages: HTML5, CSS, JavaScript, jQuery, Python
  Framework: Django, Bootstrap
  Database: MySQL

- **Automatic Relief Distribution System and Live Covid-19 Update** 🔗
  Ensuring fair and corruption free distribution of food.
  Tools:
  Languages: HTML5, CSS, JavaScrip, PHP
  Framework: Bootstrap
  Database: MySQL

- **Hello Doctor** 🔗
  Making an Online Appointment to the doctors in the patient's desired chamber.
  Tools:
  Languages: HTML5, CSS, JavaScrip, PHP
  Framework: Bootstrap
  Database: MySQL

VOLUNTEERING

- **Instructor**, UIU App Forum
- **Vice President**, UIU Literature and Writers' Forum
- **Head of Girls' Wing**, UIU Computer Club
- **Programming Wing Executive**, UIU Computer Club
- **Reciter**, UIU Literature and Writers' Forum

REFERENCE

- Dr. Swakkhar Shatabda
  Director, BSc in Data Science Program
  United International University
  Contact: +880 1776-195310
  Email: swakkhar@cse.uiu.ac.bd

- Md. Saddam Hossain Mukta
  Associate Professor & Program Coordinator,
  Department of CSE,
  United International University
  Contact: +880 1712-095216
  Email: saddam@cse.uiu.ac.bd