

# Adib Wahid Quader

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## EDUCATION

2018 – 2023

**B.Sc in Computer Science and Engineering,**  
*International Islamic University Chittagong*

Chittagong, Bangladesh

## PROFESSIONAL EXPERIENCE

Feb 2024 – Apr 2024

**Data Analyst Intern, Hydroquo+ Labs** 

Dhaka, Bangladesh


- Contributed to the Govt. funded Joint Research Programme with the Water Resources Planning Organisation of Bangladesh (WARPO) on the Surma River Water Level Prediction System.
- Contributed to the Govt. funded joint maintenance programme of the Saidabad Water Treatment Plant Project with the Dhaka Water Supply and Sewerage Authority (DWASA).
- Constructed the monitoring infrastructure in Grafana for real-time water monitoring.

2022 – 2023

**Teaching Assistant,**  
*International Islamic University Chittagong* 

Chittagong, Bangladesh

**Department :** Computer Science & Engineering

**Assigned Under :** Professor Dr. Engr. Abdul Kadar Muhammad Masum 

**Course Title :** 1. Software Engineering  
2. Software Development.

## RESEARCH EXPERIENCE

### Undergraduate Research Work:

- Engaged in a Research project entitled “A Machine-Learning Approach ... .. Social Media” as a Research Student.
- Engaged in a Research project entitled “Fuzzy Attention Based Deep Model for Sentiment Analysis” as a Research Student.
- Actively engaged in Data collection, Data analysis, Model Training & Evaluation for the above mentioned works.

**Thesis Title:** A Machine-Learning Approach to Detecting Depressive Posts from Reddit Social Media.

**Supervisor Name:** Dr. Muhammed Jamshed Alam Patwary 

## PUBLICATIONS

[1] Quader, A., et al, "A Machine-Learning Approach to Classify Depressive Posts from Reddit Social Media," in 2023 International Conference on Next-Generation Computing, IoT and Machine Learning (NCIM), 2023, pp. 1-6.

[2] I. Newaz, A. Quader, M. Patwary, "Depressive Post Classification using Transformer Models," in 2023 26th International Conference on Computer and Information Technology (ICCIT), 2023, pp. 1-6.

## PROJECTS

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### **Dhaka Wasa Water Monitoring Service**, *Part of a joint Govt. project between DWASA and Hydroquo+*

Developed an IoT-based water monitoring system utilizing 5G for data transmission, AWS and Terraform for cloud infrastructure management, and Grafana for data visualization and analysis.

### **Image-caption-Generator**

Generates text descriptions of input pictures using CNN as the image model and RNN/LSTM as the language model, along with InceptionV3 and a pre-trained GloVe model.

### **Classifying Posts from Social Media**

A sentiment analysis and classification over Reddit social media using various NLP methods such as Bag of words, Tf-idf and 4 classification models like SVC, Random Forest and a Recurrent Neural Network which is LSTM and a Transformer Model.

### **Football-Player-Detection**

An image classification model using open Python Flask and OpenCV. HTML/CSS/Javascript were used for UI Snapshots from the project.

## SKILLS

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### **Python, C++, JavaScript, CSS, HTML • MySQL, PostgreSQL, InfluxDB • ML, DL, LLM Packages & Tools —**

NLTK, OpenAI, LangChain, Hugging Face, Scikit-learn, TensorFlow, Keras, OpenCV • **Data Analysis & Visualization —**

Pandas, NumPy, Matplotlib, Seaborn, Grafana, Power BI • **Familiar with fundamentals of AWS •**

**Decent theoretical knowledge on ML, LLM, OOP & Database • Problem Solving: —** Top SQL 50 (LeetCode),

Introduction to Pandas | (LeetCode), 100 problem solves (LeetCode) • **English Proficiency —** IELTS Band Score: 7.5

## CERTIFICATIONS

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**Natural Language Processing with Classification and Vector Spaces**, *DeepLearning.AI* 

**Google Cloud Big Data and Machine Learning Fundamentals**, *Google Cloud* 

**Databases and SQL for Data Science with Python**, *IBM* 

## EXTRA-CURRICULAR ACTIVITY:

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2021 – 2023 **President**, *International Islamic University Chittagong Debaters Community* 

2022 – 2023 **Debate Secretary**, *International Islamic University Chittagong Computer Club* 

## AWARDS & HONORS

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2022 **Debater of the tournament**, *ICARUS II-Inter Club 2022* 

2021 **Participant**, *IT Delhi Parliamentary Debate 2021*

2020 **Runner-up**, *Kishwan-EDUDS national debate championship 2020* 

2020 **Participant**, *Pre-Korea World University Debating Championship 2021* 