

# Syed Ishtiak Rahman

+880-1623-181997 @srahman191120@bscse.uiu.ac.bd

## Experience

### UTA & Grader, UIU

Oct 2022 - May 2023

- Assisted faculties in teaching undergraduate lab course.
- Assisted faculties for tests, quizzes, exams, and all other grading needs.

### Freelancing

Apr 2020 - Present

- Developed small applications, script and GUI software using Java, Python, Tkinter.

## Research

### Crop Price Prediction

Dec, 2022

ML | DL

Forecast crop prices of Bangladesh based on government datasets and analyze fluctuation by years with the help of Supervised Learning, **Neural Networks**, Bagging Ensemble and **time series** model.

### Foot Ulcer Segmentation

May, 2023

CV | DL

A novel fusion approach for foot ulcer segmentation by developing multiple models using **DeepLabV3** and pre-trained models and their comparison.

## Skills

**Language:** C/C++, Java, Python, PHP, JS/TS

**Framework:** Node, Express, Django, React

**AI/ML tools:** TensorFlow, Scikit-learn, NumPy, Pandas, Matplotlib

**Database:** MySQL, PostgreSQL, MongoDB

**DevOps:** Git, Postman, Selenium, Jira

## Links

[in syed-ishtiak-rahman](#)

[Ishti97](#)

**LeetCode :** Ishtiak15

(130+ solving)

**Portfolio :** ishtiak.xyz

## Soft Skills

- Proficient in English
- Quick learner
- Hard working

## Education

### United International University

Bsc. in Computer Science & Engineering

Feb 2019 – May 2023

Dhaka, Bangladesh

- CGPA :** 3.71 out of 4.00
- Major :** Software Engineering
- Thesis :** Machine Learning for Big Data Mining in Agriculture 4.0 : Crop Price Prediction
- Merit Scholarship (50-100 %), United International University, [2021-2022]

## Projects

### EaseTask

Jun, 2023

**Tech -** MERN | JWT | Redux

Task managing web application for ongoing, upcoming and completed task. **User authentication** system and **profile managing** along with **JWT** generate and Http-Only cookie set.

### Eatery

Apr, 2023

**Tech -** PHP | MySQL | JS

Multiple cafeteria management system. Checking cafeteria's crowd and ordering available food by adjusting the **cart** and payment through the SSL gateway.

### Meeting Planner

Sep, 2022

**Tech -** Java | Unit Testing

**SQA** related Java program to plan meetings for multiple department and employees. Writing **test case** for each functionality.

### SimpleSocial

Feb, 2021

**Tech -** Django | MySQL

Get user authentication and create educative posts on different categorical groups. Create new groups and posts as necessary.

### LetsTrade

May, 2020

**Tech -** Java | JavaFx | SQLite | OOP

Desktop application for sales and management of products, customers, and suppliers. Adjust sales and products for incoming and outgoing products by creating relation between product-customer, product-supplier.

## Publications

### Agriculture 4.0 in Bangladesh: Issues and Challenges.

SKIMA - 2022

Dec, 2022

Combodia

This paper aims to propose a framework with Big Data and IoT based architecture for Bangladesh agriculture based on the existing research advancements.

### A Comprehensive Review on Precision Agriculture and Machine Learning Approach in Bangladesh.

I2CT - 2023

Apr, 2023

Pune, India

The paper provides an in-depth review of the research on ML applications in Bangladesh's agricultural system focusing disease detection, crop price and yield prediction.

### Green IoT Based Automated door Hydroponics Farming System.

ICICNIS - 2023

May, 2023

Pune, India

This paper proposes a fully automated hydroponics system along with the integration of green IoT which ensures an environment-friendly, energy-saving, sustainable farming method.