

Syed Ishtiak Rahman

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Links

[syed-ishtiak-rahman](#)

[Ishti97](#)

[LeetCode - Ishtiak15](#)

[150+ solving]

[Portfolio - ishtiak.xyz](#)

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.

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

Research

Crop Price Prediction

Dec, 2022

Machine Learning | Deep Learning

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

Foot Ulcer Segmentation

May, 2023

Computer Vision | Deep Learning

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

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.