Syed Ishtiak Rahman

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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 commodity price 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   Feb 2019 – May 2023
Bachelor of Computer Science & Engineering   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.