

# Md. Anisur Rahman Rony

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🌐 mdanisurrahmanrony.github.io/ronyportfolio/

📍 Mirpur-1, Dhaka-1216, Bangladesh.



## Career Objective

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I am a full stack web developer with a vast array of knowledge in many different front end and back end languages, responsive frameworks, databases and best code practices. Besides these, I am a researcher and data science expert with strong math background and three years of experience using predictive modeling, data processing and data mining algorithms to solve challenging problems. Presently seeking a challenging position in a reputed organization where I can work with my passion and expand my skills and learning.

## Education

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### B.Sc. in Computer Science and Engineering

Daffodil International University, Dhaka, Bangladesh.

May 2016 - April 2020

CGPA: 3.98

Thesis Title: *Student Performance Prediction using Machine Learning Approach and Data Mining Techniques.*

Technology Stack: Machine Learning, Data Mining, Flask, Heroku, Python.

### Higher Secondary Certificate (H.S.C)

Bera College, Pabna.

June 2011 - April 2013

Group: Science

GPA: 5.00

### Secondary School Certificate (S.S.C)

Al-Hera Academy School and College, Pabna.

January 2009 - March 2011

Group: Science

GPA: 5.00

## Skills

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**Programming Languages:** Java, Python, C, C++, PHP, HTML, CSS, JavaScript, JSON, SQL, JavaFX, Java Swing, XML, Assembly.

**Frameworks/Library:** Laravel, Flask, Django, WordPress, Bootstrap, React.js, Bootstrap, jQuery, Tensorflow, Keras, Numpy, Scikit-learn, Matplotlib.

**Tools/IDE:** Git, Github, Bitbucket, Netbeans, Gluon Scene Builder, Anaconda Navigator, Jupyter Notebook, Spyder, PyCharm, Google Colab, Codeblocks, Atom, Sublime Text, Android Studio, Visual Studio Code, Microsoft Visual Studio, MySQL Workbench, phpMyAdmin, Bash, Arduino, Cisco Packet Tracer, Arena Simulation.

**Database Systems:** MySQL, SQLite, Access, Firebase.

**Operating Systems:** Linux, Windows 7/8.1/10.

**All Skills:** Full Stack Web Development, Data Science, Artificial Intelligence, Front-End Web Development, Backend Web Development, Machine Learning, Deep Learning, Data Mining, Natural Language Processing, Android Development, Project Management, Structured Programming, Data Structure and Algorithms, Object Oriented Programming, Desktop Application Development, Relational Database Management System Designing and Implementation, Computer Networking, Computer Graphics, Shell Scripting, Problem Solving, Embedded Systems, Robotics, Simulation and Modeling.

**Design:** Adobe Photoshop, Adobe Illustrator, Visual Paradigm, Lucidchart.

**Microsoft Office:** MS Word, MS Excel, MS PowerPoint, MS Access, MS Visio.

**Languages:** Strong reading, writing and speaking competencies for Bangla and English.

## Projects

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### Student Performance Prediction (Undergraduate Research Based Project)

In this project student performance (in terms of Semester GPA) has been predicted based on related features/factors. Different types of Machine Learning Algorithms including classification and regression algorithms were used in this project. Data Mining techniques were used in this project.

Thesis Title: *Student Performance Prediction using Machine Learning Approach and Data Mining Techniques.*

Technology Stack: Machine Learning, Data Mining, Flask, Heroku, Python.

🌐 [sheltered-wave-71161.herokuapp.com/](https://sheltered-wave-71161.herokuapp.com/)

🌐 [pure-shelf-21646.herokuapp.com/](https://pure-shelf-21646.herokuapp.com/)

🌐 [gentle-stream-91665.herokuapp.com/](https://gentle-stream-91665.herokuapp.com/)

🌐 [youtu.be/q65hZdfmrgI](https://youtu.be/q65hZdfmrgI)

## **Laravel Ecommerce Website**

This is an ecommerce project using Laravel Framework where basic operations of an ecommerce website were shown. Such as crud operations of product, category and manufacture, admin and customer login, authentication, checkout, payment.

Technology Stack: Laravel, MySQL, HTML, CSS, Bootstrap, JavaScript.

 [github.com/mdanisurrahmanrony/Laravel-Ecommerce-Website](https://github.com/mdanisurrahmanrony/Laravel-Ecommerce-Website)

## **Laravel Database Project**

This is a live Laravel Project with different types of functionality related with database. Product add, search and show operations were shown here. This laravel app was hosted on Heroku.

Technology Stack: Laravel, MySQL, HTML, CSS, Bootstrap, JavaScript, Heroku.

 [radiant-hollows-58843.herokuapp.com/](https://radiant-hollows-58843.herokuapp.com/)

 [github.com/mdanisurrahmanrony/Laravel-Database-Project](https://github.com/mdanisurrahmanrony/Laravel-Database-Project)

## **YouTube Video Feedback Analysis**

In this project YouTube comments are taken as input and it will predict whether it is positive comment or negative comment. Natural Language Processing (NLP) Technique was used in this project.

Technology Stack: Natural Language Processing (NLP), Flask, Heroku, Python, HTML, CSS.

 [github.com/mdanisurrahmanrony/YouTube-Video-Feedback-Analysis](https://github.com/mdanisurrahmanrony/YouTube-Video-Feedback-Analysis)

 [github.com/mdanisurrahmanrony/Web-Scrapping-for-Youtube-Comments](https://github.com/mdanisurrahmanrony/Web-Scrapping-for-Youtube-Comments)

## **Global Custody**

Global Custody project implements basic of functionality of Global Custody which is related with asset, bank, bond, custodian, customer, settlement. It is a Database Management System (DBMS) project which was implemented with Core Java, MySQL, Microsoft Access.

Technology Stack: Core Java, JFrame, MySQL, Microsoft Access.

 [github.com/mdanisurrahmanrony/Global-Custody](https://github.com/mdanisurrahmanrony/Global-Custody)

 [github.com/mdanisurrahmanrony/Global-Custody-MS-Access](https://github.com/mdanisurrahmanrony/Global-Custody-MS-Access)

## **Shopping Cart**

Shopping Cart project implements basic shopping cart functionality in Core Java and database.

Technology Stack: Java, SQLite, JavaMail API.

 [github.com/mdanisurrahmanrony/Shopping-Cart](https://github.com/mdanisurrahmanrony/Shopping-Cart)

 [youtu.be/jTnqAGxYsII](https://youtu.be/jTnqAGxYsII)

## **Floyd Warshall Simulator**

This project simulates widely known Floyd Warshall shortest path algorithm visualizing each steps of the algorithm.

Technology Stack: JavaFX.

 [github.com/mdanisurrahmanrony/Floyd-Warshall-Simulator](https://github.com/mdanisurrahmanrony/Floyd-Warshall-Simulator)

## **Obstacle Avoiding Robot**

Obstacle Avoiding Robot is an embedded system project where a car robot will detect obstacle in front it using sensor and move another direction where there is not obstacle. Arduino Uno R3, Dual DC Motor Controller, Sonar Sensor, Directional Wheel, DC Geared Motors, Rechargeable Battery Unit and Robot Chassis were used to make this robot car.

Technology Stack: Arduino UNO R3, C++.

 [github.com/mdanisurrahmanrony/Obstacle-Avoiding-Robot](https://github.com/mdanisurrahmanrony/Obstacle-Avoiding-Robot)

## **Rony Portfolio**

This is my customized portfolio where all of my information has been displayed.

Technology Stack: HTML, CSS, Bootstrap, JavaScript, jQuery.

 [github.com/mdanisurrahmanrony/ronyportfolio](https://github.com/mdanisurrahmanrony/ronyportfolio)

## **Responsive Web Design**

This is a simple responsive website demo which is created using basic HTML, CSS, JavaScript.

Technology Stack: HTML, CSS, JavaScript.

 [github.com/mdanisurrahmanrony/Responsive-Web-Design](https://github.com/mdanisurrahmanrony/Responsive-Web-Design)

## **Awards & Achievement**

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### **Professor Dr. M. Lutfar Rahman Scholarship, 2018**

Awarded for maintaining highest CGPA (4.00) in the department in 1st year on the occasion of 16th Foundation Day - Daffodil International University.

### **Tuition Fee Waiver**

Semester wise tuition fee waiver for Excellent Result in B.Sc in Computer Science and Engineering, Daffodil International University.

### **Merit Award**

Merit Award for Outstanding Academic Result by Daffodil International University, Bangladesh.

## **Certification**

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### **Employability Skills Certification**

Employability Skills: Improve Job Opportunities.

Verification link: <https://goedu.ac/certificates/8b46bc10b8c0aa3d50f73f7c59c22b3f/>

## Interests

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**Research:** Data Science, Machine Learning, Deep Learning, Data Mining, Artificial Intelligence.

**Academic:** Web Engineering, Problem Solving, Data Structure, Object Oriented Programming, Algorithms, Statistics.

**Personal:** Programming, Learning New Tools and Technologies, Expanding My Skills, Research Works, Reading Books, Gathering Knowledge, Watching Movies, Travelling.

## References

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### Md. Sayedul Arefin

Graduate Teaching Assistant

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### Md. Azizul Hakim

Lecturer

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102, Shukrabad, Mirpur Road, Dhanmondi,

Dhaka-1207.

✉ azizul.cse@diu.edu.bd

## Declaration

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I am Md. Anisur Rahman Rony, hereby declare that all the information mentioned above are in accordance with the truth and fact as per my knowledge and I hold the responsibility for the correctness of the above-mentioned particulars.

Place: Dhaka, Bangladesh.

Date: 23/08/2020

*ANISUR RAHMAN*

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**Md. Anisur Rahman Rony**



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