

# Mohammad Asifur Rahim

 [github.com/Asifur](https://github.com/Asifur)  [asifur-rahim.github.io](https://asifur-rahim.github.io)  [linkedin.com/Asifur-Rahim](https://linkedin.com/Asifur-Rahim)  :mohammadasifurrahim@gmail.com

## Education

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**Ahsanullah University of Science and Technology**

**April 2018-January 2023**

*Bachelor of Science in Computer Science*

*CGPA:3.872/4.00(5th out of 150 students)*

## Relevant Coursework

**Courses:** Data Structures, Algorithms, Artificial Intelligence, Pattern Recognition, Soft-Computing, Digital Image Processing, Computer Graphics, Computer Networks

## Research Interest


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Machine Learning, Deep Learning, Image Processing, Computer Vision, Natural Language Processing

## Undergraduate Thesis

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**Deep Learning Based Method to Predict Plant Diseases: A Case Study With Rice Plant Disease Classification** 

**Supervisor:** Prof.Dr.Mohammad Shafiul Alam, Professor, Department of CSE, Ahsanullah University of Science and Technology 

## Professional Experience


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**Lecturer, Department Computer Science and Engineering**  
*Daffodil International University,Dhaka*

**January 2023-current**


## Publication

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- Nusrat Khan, Md. Hasan Imam Bijoy, Atik Asif Khan Akash,Md. Mizanur Rahman, **Mohammad Asifur Rahim**"Automated Agricultural Pests Identification using Convolutional Neural Network-based Transfer Learning".International Conference on Big Data, IoT and Machine Learning (BIM 2023),2023. Accepted not yet published 



## Research Based Project

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- **Transformation of Real to Cartoon images**   
Generative Adversarial Network(GAN) has been used to generate cartoon images

## On Going Research

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- **"Emperical Text Analysis for Identifying the Genres of Bengali Literary Work"**. Journal of Advances in Information Technology(JAIT)(Under-Review) 
- **"Deep Learning Based Method to Predict Plant Diseases: A Case Study With Rice Plant Disease Classification"**. International Conference on Computer and Information Technology (ICCIT 2023)(Under Review) 
- **Real Time Traffic Vehicle Detection and Counting Using Computer Vision Techniques**
- **Image Steganography Using CNN**

## Awards and Achievements

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- Dean's List of Honor(Based on B.Sc Result)
- Tuition Fee Waiver (Based on B.Sc Result)
- Certificate for Paper Presentation at the Conference on Big Data,IoT, and Machine Learning, BIM 2023 [!\[\]\(467d80e979964f7f8c752fb22248b5b7\_img.jpg\)](#)

## Skills

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- **Primary Programming language:** C/C++,java,Matlab,Python,Html,CSS
- **Secondary Programming Languages:** C,PHP,JavaScript
- **Machine Learning Frameworks:** TensorFlow,Keras,sci-kit-learn
- **Web Application Frameworks:** ASP.NET,MVC,Bootstrap
- **Databases** Microsoft SQL SERVER, MYSQL, PL/SQL
- **Data Visualization and Analytics:** Matplotlib, Seaborn
- **Tools:** Git, Jupyter Notebook, Visual Studio Code, Visual Studio, CodeBlocks,NetBeans, Arduino, Packet Tracer, Proteus Design Suite, LaTeX
- **Soft Skills:** Leadership,Communication, Teamwork,Time Management, Collaboration
- **Language Skills:** Bangla,English

## Projects

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- **Aero-Fighter**  
I built this game of fighting planes using C and I Graphics.[!\[\]\(815df092dd722ee9268ef8e6d0193e3a\_img.jpg\)](#)
- **Banking Management System**  
I made this Banking Management desktop-based software using Java as a programming language, Xamp as a database, and NetBeans as an IDE. [!\[\]\(c72edb9626cad660f3a9f5fb0f22a68c\_img.jpg\)](#)
- **Automatic Pet Feeder**  
I programmed this Arduino-based system which will take care of the pet in the absence of the owner. It will be able to feed the pet on set time, manage excreta along maintain a suitable temperature in the room. All these functions will be carried out automatically. [!\[\]\(0c564128c6342bd2f601e97f4518828a\_img.jpg\)](#)
- **Monitor Price Prediction**  
This is a machine learning-based project. Several machine learning algorithms are used to predict the prices of different brands of Monitors. [!\[\]\(5cb79a1c9acdf5d94bce345803852578\_img.jpg\)](#)
- **Playing condition prediction using naive bayes** This project is based on a distributed database system where given a certain weather condition the model will predict playing conditions using a Naive-Bayes classifier. Sql+ is used as a database framework. I used a virtual machine to make it a distributed database system. [!\[\]\(cc23775bf31a648cde5902baa397f9aa\_img.jpg\)](#)
- **Basic Calculator**  
I built this basic Calculator system using Java as a programming language and NetBeans as IDE. [!\[\]\(0f607256894bb1ede5f4e367e10faa26\_img.jpg\)](#)
- **Charity Management system**  
This is a charity-based desktop project. I used Java as the programming language and SQL Server Management Studio as the database. [!\[\]\(b5a96c12e7c148f5f0a1e79e6e3ae06f\_img.jpg\)](#)

- **Disease tracker**  
This is an Android-based project where given the symptoms the app can detect the correct disease. I programmed this using Java and the framework I used is Android Studio. [↗](#)
- **Humanitarian-Aid**  
This is a desktop project where people can help each other according to needy people's needs. This has been done using C Sharp and the framework (MVC ASP.Net) is used. [↗](#)
- **Humanitarian Aid**  
This is a charity-based project. I used PHP, HTML, and CSS as the programming language and Xamp as the database. The IDE I used is vs-code. [↗](#)
- **PC Accessories**  
A project using three.js consisting of a CPU and Monitor. [↗](#)

## Extra-Curricular Activities

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**Aust CSE Society**

**April 2018-January 2023**

*Society Representative*

**OBE Sub Committee**

**July 2023-Current**

*Member*

## Problem Solving Skills

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- **Leetcode** [↗](#)  
Solved 100+ problems

## References

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**Prof. Dr.Mohammad Shafiul Alam**

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Ahsanullah University of Science and Technology  
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**Prof. Dr.Kazi A Kalpoma**

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Ahsanullah University of Science and Technology  
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