

## Summary

- Strong understanding of Machine learning and Deep learning algorithms and principles.
- Strong understanding of data preprocessing ,data handling and Exploratory Data Analysis (EDA).
- Knowledge of Probability and Statistics.
- Strong knowledge of Web Scraping.
- Strong understanding of object oriented principles (OOP).
- Strong understanding of Python , C/C++ Language
- Experience in End-to-End ML Project
- Knowledge of API building

## Experiences

### - Software Developer (Jan 2022- Present )

*On CloudCoder , Gulshan-1,Dhaka,Bangladesh*

#### Projects:

- o Engineered and implemented a tailored TensorFlow Lite (TFLite) convolution operation optimized for seamless integration with FPGA accelerator, showcasing proficiency in algorithm modification and hardware compatibility enhancements.
- o Designed and constructed a RISC-V vector extension compiler using the C language, demonstrating expertise in compiler development and RISC-V architecture.
- o Created an accessible and user-friendly RISC-V programming environment integrated with TensorFlow Lite Micro (TFLite Micro).
- o Engineered and implemented a real-time television advertisement and channel detection system utilizing YOLOv5 model for object detection, coupled with advanced hashing techniques.
- o Implemented a cutting-edge digital monitor system in shopping malls, utilizing human behavior and presence analysis to dynamically showcase product information and discounts for a personalized shopping experience.
- o Developed a comprehensive security surveillance system employing multiple cameras for real-time tracking of human and vehicle movements, enhancing situational awareness and bolstering overall security measures.
- o Currently engaged in the development of a Language Model (LLM) and contributing to the open-source community by creating a Bangla Language Model "[RoyalGPT](#)".

## Education

### Bachelor of Science (B.Sc.)

**Daffodil international University (2018 – 2021)**

Major : Computer Science and Engineering

CGPA : 3.91(out of scale 4)

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

**Sristy Central School and College (2014 - 2016 )**

Graduated with GPA 5

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

**Civil aviation High School , Dhaka (2012 – 2014)**

Graduated with GPA 5



## Md. Sazzad Hossain

A motivated, adaptive, and responsible computing student with A motto "**Give your best level and grab it what ALLAH gives in return**". I believe , I'm a quick learner with positive mind.



### Personal information



Uttarkhan, Dhaka, Bangladesh



+8801971512153



sazzad1779@gmail.com



[Md. Sazzad Hossain](#)



[Md Sazzad Hossain](#)



[Md Sazzad Hossain](#)



[Md Sazzad Hossain](#)



[Online Portfolio](#)

## Technical Skills

**ML skills:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow, Keras, Request, Beautiful Soup, NLTK, Spacy

**Database:** MySQL

**Operating system:** Linux ,Windows, WSL

**Framework:** Django ,Flask ,FastAPI

**Tools :** Microsoft office, Trello

**Versioning:** Git ,Bitbucket

**Programming Languages:** Python(4+ years) ,C ,C++

**Online Platform:** Heroku

## Personal Projects

- Chronical Disease Prediction ML based website. [Heroku](#)
- Machine learning based website [Github](#)
- Java Desktop GUI app : [FarClient](#) (source code)
- Build Own Linux distro : [Subuntu](#) (Short video)
- Build Own [chatbot](#)
- Build small type of android apps

## Certifications

- Paper Presentation Certificate of ICAIDS-2022 -[LinkedIn](#)
- Complete PYTHON Programming for Beginners2021 - [Udemy](#)
- Python And Flask Demonstrations Practice Course - [Udemy](#)
- Learn to code with Python from scratch - Udemy
- Pandas Masterclass: Advanced Data Analysis with Pandas – [Udemy](#)
- Data Visualization & Data Wrangling Masterclass with Python – Udemy
- Ultimate Python Bootcamp For Data Science & Machine Learning – Udemy
- Python Complete Course For Beginners -[Udemy](#)
- Learning Python – [LinkedIn](#)
- Python(Basic) –[HackerRank](#)
- Machine Learning- From Basics to Advanced – [Udemy](#)
- Learning Data Analytics – LinkedIn



## Achievement

- Daffodil Inter-department Math Olympiad 2019 2nd Runner Up.
- HackerRank python gold badge



## Language

Bangla

English



## Competitive Programming

Uri Online Judge 122

CodeForces 28+

*visit my online portfolio for a comprehensive overview of my professional achievements and project work.*

## References

### Dr. Md. Ismail Jabiullah

Professor  
Department Of C.S.E  
Daffodil International University  
Ashulya ,Savar ,Dhaka  
drismail.cse@diu.edu.bd  
01819299960

### Dr. S. M. Aminul Haque

Associate Professor  
Department Of C.S.E  
Daffodil International University  
Ashulya ,Savar ,Dhaka  
aminul.cse@daffodilvarsity.edu.bd  
01847140129

### Ms. Naznin Sultana

Assistant Professor  
Department Of C.S.E  
Daffodil International University  
Ashulya ,Savar ,Dhaka  
naznin.cse@diu.edu.bd  
01911540341