

Rabiul Awal

MACHINE LEARNING ENTHUSIAST · BLOGGER · COMPETITIVE PROGRAMMER · KAGGLE COMPETITOR

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Education

Noakhali Science and Technology University (Noakhali, Bangladesh)

Sonapur, Noakhali-3814

B.S. IN COMPUTER SCIENCE AND TELECOMMUNICATION ENGINEERING

GRADUATION DATE: 2018, GPA= 3.22

Jun. 2014 - PRESENT

- **Notable NSTU Coursework:** Data Structures, Operating Systems, Algorithms, Artificial Intelligence, Software
- **Deep Learning Frameworks Used:** Tensorflow, Keras
- **Fluency:** C++, Python **Proficiency:** Javascript, Matlab, C **Familiarity:** Java
- **Packages:** Numpy, Pandas, Plotly, Matplotlib, Scipy, Scikit-learn, Keras

Competitive Programming

SOLVED 1500+ Online Judge Problems in UVaOj, Codeforces, Spoj, Codechef

Nov. 2014 – Dec. 2017

CODEFORCES OJ, Max Rating 1467, SPECIALIST

<http://codeforces.com/profile/theRabiulAwal>

CONTEST STANDINGS

- DIU ACM ICPC Dhaka Region World Finals Warmup 2016, Rank – 17
- NSU Inter University Programming Contest Spring 2017, Rank – 26
- SUB Inter University Programming Contest 2017, Rank – 33

Projects

Kaggle Competitions

WRITTEN IN PYTHON [HTTPS://WWW.KAGGLE.COM/THERABIULAWAL](https://www.kaggle.com/therabiulawal)

Jun. 2017 - Present

- Visualized and analyzed datasets using ML packages Matplotlib, Pandas, Seaborn
- Created programs that utilized ML techniques such as nearest neighbors, Naïve Bayes, SVMs, k-means, decision trees and random forest for both classification and regression tasks with specific datasets.

Data Structure and Algorithm Projects

WRITTEN IN C++ [HTTPS://GITHUB.COM/RABIULCSTE](https://github.com/rabiulcste)

- Implemented Number Theory, Data Structure, Dynamic Programming & Graph Theory classical algorithms and developed numbers of problem solving techniques.

Data Science, ML and AI Projects

WRITTEN IN Python [HTTPS://GITHUB.COM/RABIULCSTE](https://github.com/rabiulcste)

- **EDA and predictive models using Iris Data**

Visualizing iris species dataset using matplotlib, seaborn, pandas, numpy packages and identifying Irish flower species based on its sepal and petal dimensions. Machine learning predictive models logistic regression, KNN, SVM, decision tree and random forests classifier used for finding best accuracy rate.

- **Art of Happiness: World Happiness data analysis**

A detailed analysis on world happiness using python libraries matplotlib, seaborn, pandas. Two regression model (random forest, linear) built for predicting happiness score.

- **Dog or Cat: A CNN classifier**

A convolutional Neural Network for image recognition on Dog vs Cat Dataset.

Workshops Attended

BAPS - BUPT National Programming Camp 2013

Jul. 2016

BACS Regional Programming Camps 2017

Aug. 2017

Research

INTEREST

Machine Learning Algorithms, Neural Networks, Image Recognition

PROJECTS

WRITTEN IN Python [HTTPS://GITHUB.COM/RABIULCSTE](https://github.com/RABIULCSTE)

- **Brainforge**
A simplistic ML library for everyday use

Writing

Technical Blog

[HTTP://WWW.IAMRABIUL.INFO](http://www.iamrabiul.info)

July 2015 - Present

Blogging about Problem Solving, Data Structure & Algorithms, Machine Learning & Artificial Intelligence

- Have written several data structures and algorithms tutorials for competitive programmers.