

# Nasir Islam Sujan

## Polyglot Programmer

Software Developer with 2 years of strong academic experience on Web Design and Development. Started working on Machine Learning and its applied fields from last one an half year.

islam35-1102@diu.edu.bd

+8801832887485

Dhaka, Bangladesh

github.com/78526nasir

linkedin.com/in/nasir-islam-sujan

kaggle.com/nasirislamsujan

## WORK EXPERIENCE

2019

### iDTi-CSsmoteB

Research (Bioinformatics)

03/2018 – 01/2019

Identification of Drug-Target Interaction based on Drug Chemical Structure and Protein Sequence using XGBoost with Over-sampling Technique SMOTE.

*Contributions*

- Converted Drug and Protein (SMILE and FASTA format) structure into different binary formats (MSF, PSSM-Bigram, DPC, AM-PseAAC).
- Build all models and evaluate them using 7 different Evaluation Metrics.
- Implemented a WebServer that generates and Predict Drug and Protein Interactions.

Journal: IEEE Access (Under Review) [Index: IET Inspec, Ei Compendex, Scopus, EBSCOhost, Google Scholar, and DOAJ]

Live Server: <http://idticssmoteb-uestc.me/>

2018

### Employee Attrition

Thesis

08/2018 – 12/2018

Key Factors of Employee Attrition: A comparisons between Supervised Feature Selection and Unsupervised Dimensionality Reduction techniques.

*Achievements/Tasks*

- Identified the true reasons behind Employee's Voluntary Attrition.
- Performing a comparison analysis between Permutation Importance and PCA.
- Evaluate all the models using 9 different Evaluation metrics.

Bitbucket Repository: <https://bitbucket.org/78526Nasir/employee-attrition>

### DengAI

Research

05/2018 – 10/2018

A Predictive Model for Dengue Fever Spreading Detection using Multiple Supervised Machine Learning Algorithm.

*Contributions*

- Pre-process the dataset using 6 different techniques (LE, PCC, Imputation, Min-Max Scaling, Tukey method, and Chi-Square).
- Implemented a novel classifier that outperforms state-of-the-art models.

Journal: IJET (Accepted) [Index: Scopus Index]

Bitbucket Repository: <https://bitbucket.org/78526Nasir/dengai>

### FrontCode

Academic Project

01/2018 – 04/2018

It is an online web platform where the user can learn Front-End Technologies.

*Achievements/Tasks*

- Implemented Live Code Editor.
- Designed and Implemented 6 Courses on FrontEnd Technologies.

GitHub Repository: <https://github.com/78526Nasir/FrontCode>

2017

### EBuy

Academic Project

06/2017 – 10/2017

A fully integrated E-commerce Site for buying and selling of goods from online.

*Achievements/Tasks*

- Implemented 6 Design Guidelines Provided by Microsoft for Secure Web Applications.
- Developed fully Responsive UI for all type of devices without using any CSS Framework.

GitHub Repository: <https://github.com/78526Nasir/EBuy>

2016

### A2R

Academic Project

04/2016 – 08/2016

A class routine finder that can find out specific class routines for any students of my department.

*Achievements/Tasks*

- Facilitated students to find there routine within a seconds.
- Winner of Fall-2017 Project Fair.
- Winner on DIU ICT carnival 2018 (Desktop Category).

GitHub Repository: <https://github.com/78526Nasir/A2R>

## EDUCATION

### BSc in Software Engineering

Daffodil International University

01/2015 – 01/2019

Average CGPA: 3.82 out of 4

## TECHNICAL SKILLS

Python, C#, ASP.NET, SQL, Java, JavaScript

● ● ● ● ● ○  
Advanced

Machine Learning

● ● ● ● ○ ○  
Intermediate

Data Preprocessing

● ● ● ● ● ●  
Expert

Data Visualization

● ● ● ● ● ●  
Expert

## SOFT SKILLS

Problem Solving

Research & Strategy

Leadership

Teamwork

Negotiation

Decision Making

Public Speaking

## AWARDS

- Winner of DIU ICT Carnival 2018 on Project Showcasing. [Desktop category]

02/2018

Daffodil International University

- Winner of Fall-2017 Project Fair

08/2017

Dept. of Software Engineering

## RESEARCH INTERESTS

Machine Learning

Deep Learning

Data Science

Artificial Intelligence

## LANGUAGES

English

● ● ● ● ○ ○  
Intermediate