Nasir Islam Sujan

Polyglot Programmer

Research Assistant | Machine Learning Practitioner | ASP.NET, C# Developer | Web UI/UX designer | Received B.Sc. Degree in Software Engineering from Daffodil International University.

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WORK EXPERIENCE

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-001-site1.ctempurl.com/

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

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

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