ABDULLAH AL IMRAN

Enthusiasm . Dedication . Perseverance

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OBJECTIVE

I am a passionate Data Science and Machine Learning researcher with around 2 years of hands-on experience. I aspire for a challenging position in the industry where I can apply and enhance my skills in conjunction with the goals of the organization.

EDUCATION

Apr 2018	**B.Sc. in Computer Science and Engineering**
Jan 2014	*American International University-Bangladesh*

CGPA: 3.51/4.00

Relevant Courses: Artificial Intelligence and Expert System, Computer Vision and Pattern Recognition, Data Warehousing and Data Mining, Human Computer Interaction, Statistics and Probability, Diff. Calculus and Coordinate Geometry, Integral Calculus and Ord. Diff. Equation, Matrices, Vectors and Fourier Analysis, Research Methodology.

ACADEMIC EXPERIENCE

Current	**Research Assistant**
Dec 2017	*Data and Design Lab, University of Dhaka*

Supervisor: Dr. Moinul Islam Zaber

Responsibilities: Worked on "Electricity Data Analysis Project" funded by LIRNEasia and DnD Lab. Performed different visualization and analysis of heterogeneous datasets. Worked on recording experimental data, making presentations and reports. Developed applications and different tools for data collection and preprocessing.

Apr 2018	**Teaching Assistant**
Feb 2018	*Faculty of Science & Information Technology, American International University-Bangladesh*

Supervisor: Md Shamsur Rahim

Responsibilities: Provided assistance to the course teacher in designing the course, constructing tests, preparing class materials, and grading assignments. Provided guide and support to the students inside the Lab. Performed research and different experiments with the supervisor.

PROJECTS & PUBLICATIONS

[1] Abdullah Al Imran, Md Nur Amin, Md. Rifatul Islam Rifat, Shamprikta Mehreen *"Deep Neural Network Approach for Predicting Productivity of Garment Employees"*, International Conference On Control, Decision And Information Technologies, Paris, France, 2019.

[2] Abdullah Al Imran, Md. Rifatul Islam Rifat, Rafeed Mohammad, *"Enhancing the Classification Performance of Lower Back Pain Symptoms Using Genetic Algorithm Based Feature Selection"*, International Joint Conference on Computational Intelligence, 2018.

[3] Zaman Wahid, A.K.M Zaidi Satter, Abdullah Al Imran, Touhid Bhuiyan, *"Predicting Absenteeism at Work Using Tree-Based Learners"*, International Conference on Machine Learning and Soft Computing (ICMLSC), 2019.

[4] M. Golam Rabbani, Abdullah Al Imran, Sudipta Kumar, *"Comparative Analysis of Bagging and Boosting Incorporated with Tree Based Classifiers for Predicting EEG Eye State"*, International Conference on Robotics, Electrical and Signal Processing Techniques (ICREST), 2019.

[5] Abdullah Al Imran, Md Nur Amin, Fatema Tuj Johora, *"Classification of Chronic Kidney Disease using Logistic Regression, Feedforward Neural Network and Wide & Deep Learning"*, International Conference on Innovation in Engineering and Technology (ICIET), 2018. DOI: 10.1109/CIET.2018.8660844

[6] Siam Rafsunjani, Rifat Sultana Safa, Abdullah Al Imran, Md. Shamsur Rahim, Dr. Dip Nandi, *"An Empirical Comparison of Missing Value Imputation Techniques on APS Failure Prediction"*, International Journal of Information Technology and Computer Science (IJITCS), Vol.11, No.2, pp.21-29, 2019. DOI: 10.5815/ijitcs.2019.02.03

[7] Abdullah Al Imran, Ananya Rahman, Humayoun Kabir, Shamsur Rahim, *"The Impact of Feature Selection Techniques on the Performance of Predicting Parkinson's Disease"*, International Journal of Information Technology and Computer Science (IJITCS), Vol.10, No.11, pp.14-29, 2018. DOI: 10.5815/ijitcs.2018.11.02

[8] Abdullah Al Imran, Rafeed Mohammad, Akm Kawser Rabbi, *"Incorporating Joint Feature Selection with Machine Learning Techniques for Diagnosing Autism Spectrum Disorder in Adults"*, International Conference on Advances in Science, Engineering and Robotics Technology, 2019. **[Under Review]**

[9] Abdullah Al Imran, Md. Shamsur Rahim, Tanvir Ahmed, *"Mining the Productivity Data of Garment Industry"*, International Journal of Business Intelligence and Data Mining. **[Under Review]**

[10] Md. Rifatul Islam Rifat, Abdullah Al Imran, *"Educational Performance Analytics of Undergraduate Business Students"*, International Journal of Educational Technology in Higher Education. **[Under Review]**

Work Experience

Jun 2018 Mar 2018	**Data Scientist** *Revvey Co*

Project: addmission.org

Description: Addmission is a product of Revvy Co that primarily provides online mentoring, consulting services to the prospective graduate students and also uses Machine Learning based recommender system for suggesting graduate schools for the users. I worked there on a contract to develop the recommender system which helps to find the most suitable graduate schools according to the profiles of the students.

Responsibilities: Led the data science team, designed and managed the project pipeline, Preprocessed the dataset from thousands of student profiles, Performed statistical analysis and feature engineering, Implemented a custom machine learning model and deployed the model to production.

Technical Skills

Programming Languages: Python, R, Java SE, C++, C#
Development Skills: Flask, Android, JavaFX, Web Development (PHP, JS, HTML, CSS)
Tools & Libraries: Pandas, NumPy, SciPy, scikit-learn, Tensorflow, Keras, KNIME
Database Systems: MySQL, PostgreSQL
Version Control: Git, SVM
Operating Systems: Ubuntu, Windows, Linux Mint, openSUSE

Awards and Achievements

2016   *Finalist* at Youth Innovation Challenge, UNDP Bangladesh
2016   *2nd Runner Up* at National Hackathon, Bangladesh
2015   *Champion* at Islamic University of Technology 7th National ICT Fest, Bangladesh
2015   *Champion* at Dhaka University IT Society 4th National Campus IT Fest, Bangladesh
2015   *Runner Up* at 1st Jahangirnagar University IT Society National Campus IT Fest, Bangladesh
2014   *Champion* at 3rd National Dhaka University IT Society-ERICSSON Campus IT Fest, Bangladesh

Leadership and Volunteer Activities

2015-2018   *Member and Volunteer* at American International University-Bangladesh Computer Club
2014-2014   *Webmaster and Member* at IEEE American International University-Bangladesh Student Branch
2013-2014   *Firefox Student Ambassador* at Mozilla Foundation
2012-2013   *Head of ICT* at Dhaka College Science Club (DCSC), Dhaka, Bangladesh

Notable Experiences

- Competitions Contributor at *Kaggle*
- Participated on 2 national programming contests: *BUET IUPC, Dhaka, 2015 and SUB IUPC, Dhaka, 2015*
- Solved 500+ programming problems on Uva, SPOJ, HackerRank, and Codeforces

References

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