

Readhwana Reaz Adrin

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Github: <https://github.com/Adrin00>



OBJECTIVE

Holding stands as a graduate student, having the confidence to seek prosperity in diversification of the choice of the field and willing to provide service with maximum efficacy.

EDUCATIONAL BACKGROUND

<i>Bachelor of Computer Science and Engineering</i>	<i>BRAC University</i>	<i>2023</i>	<i>CGPA: 3.69 out of 4.00</i>
<i>Higher Secondary Certificate</i>	<i>Thakurgaon Government College</i>	<i>2018</i>	<i>GPA: 4.50 out of 5.00</i>
<i>Secondary School Certificate</i>	<i>Thakurgaon Government Girls' High School</i>	<i>2016</i>	<i>GPA: 5.00 out of 5.00</i>

WORK EXPERIENCE

- Tutored underprivileged children Mathematics, Science and ICT.
- Data Science & Business Analytics intern at The Sparks Foundation (TSF).

PROJECTS:

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- Movie Reviews Analysis | Python, Multinomial Naive Bayes, NLP
 - Monitoring and Detecting Flame and Gas | Proteus, Arduino, LabView
 - Emergency Healthcare Service Website | HTML, CSS, PHP, JavaScript, MySQL
 - Line Following Robot using PID implementation | Arduino, Hardware Project
 - Smart door system for monitoring body temperature. | Arduino, Hardware Project
 - Lung Cancer Prediction using machine learning techniques| Naive Bayes, Random Forest, Logistic Regression, K - Nearest Neighbor (KNN)
 - Designing a 4-bit ALU capable of performing 4 different arithmetic operations | Quartus, Verilog HDL
 - Online Vehicle Accessories shop Website | HTML, CSS, Laravel, MySQL
 - Coffee House Website | HTML, CSS, Laravel, MySQL
 - Designing specific shapes using OpenGL
 - Number manipulation and performing arithmetic operations using Emu8086
 - Tic-Tac-Toe game (OOP) | Python

UNDERGRADUATE THESIS:

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- Colorectal Polyp Detection from Local Features Leveraging Deep CNN (Computer Vision)

PUBLICATIONS:

- Colorectal Polyp Detection from Local Features Leveraging Deep CNN (In Progress)
- Textual Personality Prediction in the Context of NLP and ML (In Progress)

CO-CURRICULAR ACTIVITIES

- General Member - BRAC University Computer Club (BUCC)
- Former Reciter & Anchor at Bangladesh Betar.

COMPUTER SKILLS

1. Microsoft Office: Word, Excel, PowerPoint, Outlook.
2. Google Application: Docs, Sheets, Slides, Forms, Colab.
3. Programming Language: Python, Java, C.
4. Other Languages: HTML, CSS, PHP, JavaScript.
5. Frameworks: Laravel, Django, Streamlit.
6. OS: Windows, Linux.
7. Electrical Simulation Software: Proteus, Pspice, LTspice, LabView, emu8086, Webots, Quartus, Dsch2, Microwind2.
8. Designing software: Tinkercad, Blender, SolidWorks
9. Software Testing Tool: Selenium
10. IDEs: Jupyter Notebook, Arduino, Pycharm, Visual Studio Code, Sublime Text, DrJava, Spyder, Code Blocks.
11. Machine Learning: Predictive Modeling, Clustering Models, Data Preprocessing, Data Modeling, Unit Testing, Hyper-parameter Tuning, Feature Engineering, NLP, Exploratory Data Analysis, Statistical Analysis, Predictive Analysis, Transfer Learning Models, Attention Based Classifiers, Model Ensemble Techniques, Neural Networks, ML Pipelines, ML Algorithms, Model Evaluation and Performance, Explainable AI, Generative AI.
12. ML Tools and Software: Scikit-Learn, Numpy, TensorFlow, OpenCV, NLTK, ImageDataGenerator, Matplotlib, Pandas, Keras Seaborn.
13. Data Visualization Tool: Tableau, Power BI.
14. Version Control and Collaboration: GitHub, GitLab.

CORE COMPETENCIES

- Self-motivated and diligent work enthusiast.
- Organized and thorough in all endeavors.
- Highly punctual and result-oriented.
- Strong sense of professionalism and work integrity.

PERSONAL INFORMATION :

Date of Birth: November 10, 2000.
Father's Name: Md. Reazul Islam
Mother's Name: Afroza Akhter
Nationality: Bangladeshi.
Religion: Islam.
Marital Status: Unmarried.

Blood Group: O+(Positive).