Md Al Mamun

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Gender: Male **Date of birth:** 11/12/2001 **Nationality:** Bangladeshi

ABOUT ME

I am deeply passionate about data science and analysis, with a focus on leveraging technology to extract meaningful insights from complex datasets. I have gained hands-on experience through various projects, including feature assembly and accuracy comparison, cyberbullying detection, natural language processing, image processing, and comparing machine learning algorithm accuracies. These experiences have honed my skills in problem-solving, critical thinking, and innovation, driving my commitment to advancing data-driven solutions.

EDUCATION AND TRAINING

[01/01/2020 – 01/12/2023]

Bachelor of Science in Computer Science and Engineering

Daffodil International university   https://daffodilvarsity.edu.bd/

City: Dhaka | **Country:** Bangladesh | **Field(s) of study:** Computer science | **Final grade:** 3.53 | **Thesis:** SENTIMENT ANALYSIS OF BANGLA REVIEWS ON FACEBOOK BUSINESS

Become a Machine Learning Engineer

LinkedIn   https://www.linkedin.com/in/al-mamun-3170/

City: Dhaka | **Country:** Bangladesh | **Field(s) of study:** Machine learning

Link: https://github.com/mamun-cse-diu/achievement/blob/main/CertificateOfCompletion_Become a Machine Learning Engineer.pdf

PUBLICATIONS

[2024] **Bangladeshi Local Fruits Detection and Calorie Calculator using CNN**

Reference: 18th INDIACom; 11th 2024 International Conference on Computing for Sustainable Global Development.

There are many varieties of local fruits in Bangladesh. Now some of them are moribund. The aim of this paper is to introduce these local and moribund fruits to the next generation and to build a local fruit model that can be used beneficially for future research in the field of local fruits.

[2024] **Cyberbullying Detection From Bangla Text on Social Media.**
Reference: Research Advances in Network Technologies (Volume 2).
Publisher: CRC Press
Here, we identify cyberbullying using some natural language processing (NLP) methods and classifier algorithms. For data pre-processing, I used:
- Word tokenizer from NLTK tokenizer
- Remove stop word based on Bangla stop word
- Removed Punctuation and Special Characters.

PROJECTS

Covid 19 Data Visualization by using Tableau

Proficiently utilized Tableau to create insightful data visualizations for Covid-19, facilitating clear understanding of pandemic trends and patterns. Effectively communicated complex information to diverse audiences, contributing to informed decision-making and public health initiatives.

Link: https://mamun-cse diu.github.io/covidDeathVisualization.github.io/

Cervical Cancer Prediction by using ML

Developed a cervical cancer prediction model utilizing machine learning techniques. Leveraged data analysis and feature engineering to build a robust predictive algorithm, contributing to early detection and proactive healthcare strategies. Demonstrated expertise in data-driven healthcare solutions and commitment to improving patient outcomes through innovative technology.

Link: https://github.com/mamun-cse-diu/cervical_Cancer_Prediction

Fruits detection using deep learning algorithms

Implemented deep learning algorithms for fruit detection, leveraging computer vision techniques to accurately identify and classify various fruits in images. Developed a robust model capable of detecting fruits in diverse environments and under varying conditions, contributing to automation in agricultural processes and quality control. Demonstrated proficiency in deep learning frameworks and image processing, enhancing efficiency and productivity in fruit harvesting and distribution.

Link: https://github.com/mamun-cse-diu/fruits_detection

Movie recommendation

Engineered a movie recommendation system employing collaborative filtering techniques and machine learning algorithms. Designed to analyze user preferences and historical viewing patterns to provide

personalized movie suggestions, enhancing user experience and engagement. Demonstrated proficiency in data-driven recommendation systems and contributed to enhancing content discovery platforms...

Link: https://github.com/mamun-cse-diu/movie_recomandation

TECHNICAL SKILLS

Machine Learning | Git | Github
Data Processing

- Handling Missing value: By using mean, median, mode
- Encoding Categorical Variables: By using One-Hot encoding, Label encoding
- Feature Scaling: Normalization(MinMaxScaler), Standardization(StandardSacler).
- Word tokenizer from NLTK tokenizer

HONOURS AND AWARDS

Certificate of Completion Become a Machine Learning Engineer Awarding institution: LinkedIn

Link: https://github.com/mamun-cse-diu/achievement/blob/main/CertificateOfCompletion_Become a Machine Learning Engineer.pdf

Problem solving certificate(basic) Awarding institution: Hacker rank

Link: https://github.com/mamun-cse-diu/achievement/blob/main/problem_solving_basic certificate.pdf

Certificate of Participation Awarding institution: International Collegiate Programming Contest

Link: https://github.com/mamun-cse-diu/achievement/blob/main/icpc.pdf

Digital marketing certificate Awarding institution: Google digital garage

Link: https://github.com/mamun-cse-diu/achievement/blob/main/digital_marketing_certificate.pdf

REFERENCE

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