RAJESH KUMAR DAS

Data Scientist | ML Engineer | Researcher | Python

Field of Research: Machine Learning, NLP, Deep Learning, Computer Vison

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A strong analytical thinker wants to earn an opportunity as an employer at your Company, were strong Research skills, as well as the Strong analytical and problem-solving skills. To secure the position in your Company, utilizing my expertise.

Blood Group: B+ | Marital Status: Single | DOB 29/09/1997

Academic Qualifications

Daffodil International University
B.SC. IN Computer Science & Engineering | 2022
CGPA: 3.89/4.00

Chittagong Polytechnic Institute
DIPLOMA IN Computer Science & Technology | 2018
CGPA: 3.32/4.00

Zafor Imam Model High School
Secondary School Certificate (SSC) | 2013
CGPA: 4.44/5.00

Hard Skills

Programming Languages: Python 3.10, Java Swing, C.

Framework: Django (Python), Laravel (PHP).

Database: MySQL.

Python Libraries: TensorFlow, Keras, MLXtend, Scikit-learn, Pandas, NumPy

Data Science: Excel, Math, Statistics, Tableau, Flourish Studio, Probability.

Data Pre-Processing: Null Value Handling (Dropna, Fillna) Stopwords remove, Remove Duplicate Rows, Remove Small Text, Remove No Character Word, Remove Emoji, Remove Non-Bengali Character, Stemming, Lemmatization, Sampling etc.

Machine Learning: Regression, Classification, Exploratory Data Analysis (EDA) and Proficient in Machine Learning Algorithms.

Deep Learning: LSTM, BiLSTM, Convo1D, BERT, LSTM-CNN Combine Architecture.

Web Design & Development: HTML, CSS, Bootstrap, and PHP, Django

Other Skills: JSON, Regular Expression, GitHub, YouTube, Blogger

Soft Skills

- Observation
- Decision Making
- Communication
- Multi-Tasking
- Leadership

Professional Award/Recognition

- **1st Prize of Project:** Won first prize at BITM based on the **School Management System** project.
- Certificate of Presentation (**Analysis of Bangla Transformation of Sentences using Machine Learning) – ICDLAIR 2022**
- National Skills Certificate -**National Skills Development Authority, Prime Minister's Office**

Interests

NLP	Computer Vision	IoT
Blockchain		Deep Learning

Technical Experience

- Advanced Networking with Linux & CCNA Concept (Intern) **CODETECH IT SOLUTIONS | 2017 Duration:** 6 Month
- Instructor (Web Application Development with Python) **from 2ⁿᵈ April, 2022 | Daffodil International Professional Training Institute (DIPTI)**

Certificates

- Web Application Development - *BITM* (SEIP)
- Web Application Development with Python, **Level-4** (**National Skills Certificate**)
- Freelancing and Outsourcing **(Government of the People's Republic of Bangladesh)** – *BKTTC*
- CompTIA A+ Certification - *NEW HORIZONS*
- Database (SQL) - *HACKER-RANK*
- Problem Solving (Basic) - *HACKER-RANK*
- Python 101 for Data Science - *COGNITIVECLASS.AI*
- Introduction to Python - *SAYLOR.ORG*
- Regular Expression in Python - *GREET LEARNING*
- Data Science & AI Career Bootcamp - *DATA MITES*
- Programming Contest - *DIU CPC*

Project

- Classification of **Online shopping review based on Machine Learning approach.**
- Web based **School Management System** using HTML, CSS, Bootstrap, Django.
- Web based **Job Portal Management System** using HTML, CSS, Bootstrap, Django.
- An approach to predict **BPL Team winner prediction** based on Machine Learning approach.
- Deep Learning-Based sentiment Analysis of **Bangla Text for Football Leveraging LSTM Models on Social Media Data.**
- Web based **Student Result Management System** using HTML, CSS, PHP, JavaScript, MySQL, Laravel.
- Desktop based **Super-shop Management system** using Java Swing, MySQL.

Research

1. **Title:** Analysis of Bangla Transformation of Sentences using Machine Learning.
   Status: Published (4th International Conference on Deep Learning, Artificial Intelligence and Robotics, (ICDLAIR) 2022)

2. Team Error Point at BLP-2023 Task 1: A Comprehensive Approach for Violence Inciting Text Detection using Deep Learning and Traditional Machine Learning Algorithm.
   Status: Published (Proceedings of the First Workshop on Bangla Language Processing (BLP-2023))

3. Team Error Point at BLP-2023 Task 2: A Comparative Exploration of Hybrid Deep Learning and Machine Learning Approach for Advanced Sentiment Analysis Techniques.
   Status: Published (Proceedings of the First Workshop on Bangla Language Processing (BLP-2023))

4. **Title.** Sentiment analysis in multilingual context: Comparative analysis of machine learning and hybrid deep learning models.
   Status: Accepted (In Heliyon Q1 Journal)

5. **Title.** Curated Transformation of Sentence Dataset for Text Classification in Bangla Language.
   Status: Accepted (Data in Brief Q2 Journal by Elsevier)

6. **Title:** Unleashing the Potential of Machine Learning, Deep Learning and Hybrid Deep Learning for Advanced Data Analysis: A Comparative Study on Classification, Regression, and Time Series Analysis.
   Status: In Review

7. **Title:** Prediction of Bangladeshi Urban Children's Mental Health for the Effect of Mobile Gaming Using Machine Learning.
   Status: Submitted to Journal

8. **Title:** Racism and Body-Shaming Detection in Sentence Using Machine Learning and Text Mining Techniques for the Bangla Language.
   Status: Submitted to Journal

9. **Title:** Computer Aided Image Pattern Diagnosis over Early Signs of Skin Diseases Using Deep Theory on Low Resource.
   Status: Submitted to Journal

Profile Links

Portfolio: https://sites.google.com/view/rajeshdiu/About-Rajesh-DIU?authuser=0
Github: https://github.com/rajeshdiu
Hacker Rank: https://www.hackerrank.com/rajeshcpi1212
LinkedIn: https://www.linkedin.com/in/rajeshitor/
YouTube: https://www.youtube.com/c/CreativeCodersbd
LeetCode: https://leetcode.com/rajeshcpi1212/

Reference

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