

# RAJESH KUMAR DAS

Data Scientist | ML Engineer | Researcher | Python

**Field of Research:** Machine Learning, NLP, Deep Learning, Computer Vision

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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.

**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) Stop-words 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, Conv1D, BERT, LSTM-CNN Combine Architecture.

**Web Design & Development:** HTML, CSS, Bootstrap, and PHP.

**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.
- **Class Representative:** Recognition as a CR in Batch 38A.
- Certificate of Presentation (**Analysis of Bangla Transformation of Sentences using Machine Learning**) – ICDLAIR 2022

## Interests

NLP

Computer Vision

IoT

Blockchain

Deep Learning

## Technical Experience

- Computer Operator - **Life-Wood Technology**  
**Duration:** 1.5 Years
- Advanced Networking with Linux & CCNA Concept (Intern) **CODETECH IT SOLUTIONS | 2017**  
**Duration:** 6 Month

## Certificates

- Web Application Development - **BITM** (SEIP)
- 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**
- Freelancing and Outsourcing – **BKTTTC**

## Project

- Classification of **Online shopping review** based on **Machine Learning** approach.
- 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.
- Web based **School Management System** using HTML, CSS, PHP, JavaScript, MySQL.
- 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. **Title:** Curated Transformation of Sentence Dataset for Text Classification in Bangla Language.  
**Status:** [Accepted \(Data in Brief Q2 Journal by Elsevier\)](#)
3. **Title:** Multi-level Bangla & English Text Classification using deep Learning and machine Learning.  
**Status:** [In Review](#)
4. **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](#)
5. **Title:** Prediction of Bangladeshi Urban Children's Mental Health for the Effect of Mobile Gaming Using Machine Learning.  
**Status:** [Submitted to Journal](#)
6. **Title:** Racism and Body-Shaming Detection in Sentence Using Machine Learning and Text Mining Techniques for the Bangla Language.  
**Status:** [Submitted to Journal](#)
7. **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

### Mr. Abdus Sattar

Assistant Professor

**Department:** Computer Science & Engineering

Daffodil International University

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### Ms. Sharun Akter Khushbu

Lecturer

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### Mr. Nurul Akter Towhid

Lead Data Scientist

**COEL Incorporation**

**E-Mail:** Ntowhid@coel.run