

# MD RASHIDUL ISLAM

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Portfolio

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## ABOUT ME

Data Science enthusiast with over 1 year of experience in Machine Learning, Data Analysis, and Predictive Modeling. Eager to apply my skills in algorithms and hands-on projects in a professional environment. Passionate about leveraging data to solve real-world problems and continuously growing in the field of Data Science.

## EXPERIENCE

### Data Science Intern

#### CodeAlpha

August 2024 - November 2024 Remote

- Developed predictive models using machine learning and deep learning techniques for data analysis and forecasting.
- Cleaned, transformed, and prepared data for analysis, ensuring accuracy and extracting key features to improve models.

### Front End Development Intern

#### Progress Inc.

January 2023 - April 2023 Remote

- Developed a real-world website project using WordPress.
- Customized WordPress themes with HTML, CSS, and plugins.
- Gained expertise in plugin customization and troubleshooting.

## PROJECTS

### Netflix Stock Prediction Using LSTM

- Developed an LSTM model to predict future Netflix stock prices using historical data from the NFLX.csv dataset.
- Performed Exploratory Data Analysis (EDA) to understand stock price trends and visualized predictions against actual prices.
- Achieved over 70% accuracy by training on 80% of the data and evaluating the model using a confusion matrix for price movement analysis.

Python LSTM Time Series Forecasting Data Visualization

### Titanic Classification Project

- Built a Random Forest classifier to predict survival based on age, gender, and socio-economic status using the Titanic dataset.
- Conducted EDA to uncover survival factors, handled missing data, and applied feature scaling and encoding.
- Achieved 82% accuracy and identified passenger class and age as key features.

pandas scikit-learn seaborn matplotlib Random Forest  
EDA

### Diabetes Disease Detection Using Machine Learning

- Built a model to predict diabetes using health data like BMI, glucose, and age.
- Applied normalization, binarization, and scaling for better accuracy.
- Used Logistic Regression, SVM, and Random Forest for classification, with key insights from EDA.

NumPy Matplotlib Seaborn

Machine Learning

## EDUCATION

### Bachelor of Computer Science

#### Albukhary International University, Malaysia

October 2023 - Current

Result: 4th Sem Onwards 3.56 Out Of 4  
Major Courses: Discrete Mathematics, C programming, AI, Probability and Statistics, OOP(Java), DBMS.

## SKILLS

Python Machine Learning

Exploratory Data Analysis (EDA)

Data Preprocessing Pandas NumPy

Scikit-learn Matplotlib Seaborn

LSTM Git GitHub Web Design

WordPress

## CERTIFICATIONS

- Dean List Award - Albukhary International University - Dean's List for Academic Excellence.
- IBM Python For Data Science And AI Badge - IBM Python Badge.
- IBM Tools For Data Science v2 Badge - IBM Python Badge.
- CS50x Introduction to Computer Science - Harvard University.
- Python - Kaggle .
- IBM Python For Data Science, AI and Development - Coursera.
- IBM Data Science Methodology - Coursera.
- IBM Tools For Data Science - Coursera.