

# Md. Rakib Sheikh

📍 Tangail, Bangladesh    ✉ rakibrakib0179@gmail.com    ☎ +8801792299007    📁 Portfolio    in LinkedIn

## Education

### Mawlana Bhashani Science and Technology University

August 2023 – August 2025

MS in Statistics

- **CGPA:** 3.65 out of 4
- **Coursework:** Data Mining, Machine Learning, Advanced Econometrics, Advanced Multivariate Analysis

### Mawlana Bhashani Science and Technology University

February 2018 – February 2023

BSc in Statistics

- **CGPA:** 3.37 out of 4
- **Coursework:** Probability, Economics, Statistical Analysis, R, SPSS, STATA, Time Series

## Experience

### Research Student

MBSTU, Tangail

Statistics, Mawlana Bhashani Science and Technology University

Sep 2024 – Aug 2025

- Conducted research on "Forecasting Dhaka Stock Exchange Trends with LSTM Integrating BERT Sentiment", applying FinBERT and LSTM Deep Learning techniques to predict the Dhaka Stock Exchange price in Bangladesh.

## Projects

### Stroke Prediction Using ML

[Model Link](#) 

- Developed and evaluated multiple machine learning models for stroke prediction, demonstrating proficiency in a range of classification algorithms.
- Implemented techniques to address class imbalance using SMOTE oversampling to improve model performance on the minority class, showcasing understanding of imbalanced datasets and mitigation strategies.
- Preprocessed and transformed raw data, including handling outliers and encoding categorical features, highlighting data cleaning and feature engineering skills.

### Next Word Predictor

[Kaggle Link](#) 

- Developed a deep learning-based next-word prediction model trained on 50,000 words, improving text generation accuracy
- Implemented LSTM (Long Short-Term Memory) networks using TensorFlow to enhance language modeling efficiency

### SQL Project

[GitHub Link](#) 

- Analyzed a large-scale COVID-19 dataset(500,000+ records) to extract insights on global mortality rates, affected regions, vaccination trends, and recovery percentages using complex SQL queries.
- Executed SQL queries in Microsoft SQL Server Management Studio to process and visualize key statistics

## Certificates

### Data Analysis with R – Cognitive Solution Bangladesh (Jan 2024 - Mar 2024)

[Validation](#) 

Learned data wrangling, statistical modeling, and visualization using R, ggplot2, and dplyr.

### Complete Web Development (MERN Stack) – Programming Hero (May 2022 - Dec 2022)

Developed full-stack applications using MongoDB, Express.js, React.js, and Node.js. Gained experience in REST API development, authentication, and database management.

## Skills

**Programming Language:** Python, R, SQL, JavaScript

**ML Technology:** TensorFlow, PyTorch, Scikit-Learn, RAG, LangChain, Transformers, FastAPI, AI Agents

**Data Visualization:** Power BI, Matplotlib, Seaborn

**Tools:** Docker, MySQL Workbench, SPSS, Jupyter Notebook, RStudio, STATA, VSCode, and Colab

**Soft Skill:** Communication, Leadership, Time Management

## Languages and Interests

**Language:** Bangla (native), English (Professional Proficiency), Hindi (Fluent)

**Interests:** AI, New Technology, Sports, Travel