

# Shariar Emon Shaikat

Avid learner in Artificial Intelligence, Machine Learning and Data Science

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## Professional Summary

I am a data science lover with academic experience in data analysis, machine learning, and research. I at the moment have one conference paper as well as one journal paper under review. I have specialized in training and tuning a machine learning model, data processing, feature selection and analysis, and assessing model accuracies. In my work, I use statistical and modern techniques of machine learning to gain insights and find solutions to complicated problems.

## Education

Computer Science & Engineering  
BRAC University

## Core Competencies

- Data Analysis
- Machine Learning
- Generative AI
- Deep Learning
- Machine vision

## Project Experience

### Data Science Driven

- A Sustainable Approach to Waterlogging Prevention: Solar-Powered Garbage Detection Using Machine Learning (Under review, Id: ICCITconf2024)
- Cassava leaf disease prediction with Vgg19, Inceptionv3, Resnet50 (Bronze in kaggle)
- Optimizing Agricultural Production(Research project)
- House Pricing prediction (Bronze in kaggle)
- Titanic People survive prediction (bronze in kaggle)

### Visualization Driven

- **Financial Sales Analysis:** Used Power BI, and Tableau to analyze sales performance
- **Hotel Booking Analysis:** Analyzed booking trends, customer behavior, and seasonal patterns using Power BI, Tableau, and Looker Studio.
- **Bike Store Analysis:** Tracked sales, inventory, and customer segmentation with Power BI for better marketing strategies.
- **Fashion House Analysis:** Utilized Power BI, Tableau, and Looker Studio to monitor sales, customer preferences, and seasonal demand.

## Work Experience

- **Research (Under review)**
- **Paper Title:** A Sustainable Approach to Waterlogging Prevention: Solar-Powered Garbage Detection Using Machine Learning.  
Track Name: ICCITconf2024  
Paper ID: 1317
- **Ongoing Thesis:** Enhancing Cancer Care: Strategies for Improved Patient Outcomes  
Dr. Jannatun Noor Mukta, BRAC University
- Data Analyst and counselor in New Zealand and Australia abroad consultancy, Ex
- Chemistry Instructor at QED ( Quality Education Destination)
- Brand Advisor at SOGO Lifestyle, Ex

## Certificates

- **Data Analyst**  
Certified Data Analyst from aiQuest Intelligence
- **Certified Ethical Hacker**  
I mainly worked on Web Application Vulnerability. A Certificate was obtained from Arena Web Security

## Skills

- Programming Language:  
Python, Java, Html, CSS
  - Visualization  
PowerBi, Tableau, Looker Studio
  - Database Management:  
MySQL, Table++, PostgreSQL
- Machine Learning Libraries:  
Scikit-learn, TensorFlow, Keras, and PyTorch
  - Version Control  
Git