

# ABHEEK MUKHERJEE

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## Education



### Warwick Business School

#### MSc Business Analytics

09/2024 - Present

- Analytics in Practice
- Understanding Business for Analytics
- Optimisation Models
- Business Statistics



### MAKAUT(in-house), West Bengal University of Technology

#### BSc Information Technology(Data Science) | CGPA: 8.34 / 10

07/2021 - 08/2024

- Studied about foundations and future prospects of data science in various applications especially in terms of machine and deep learning

## Experience

### CodSoft

Kolkata

#### Data Science Intern, Technology

- Analysed various data sets of sales & credit and implemented various data visualisation techniques related to numpy, pandas, matplotlib and applied Machine Learning techniques in data sets such as linear regression, count vectorization and naive bayes to train data sets to predict upto 75% accuracy and draw insights from given data

### Performance Analysis on Indian Railway Zones

MAKAUT University

#### Research Paper (on-going publication)

2023 - Present

- Implemented Multi-Criteria Decision Making techniques like TOPSIS, COPRAS, VIKOR and PROMETHEE to evaluate the efficiency of Indian Railway Zones, state-wise based on different tangible parameters

## Skills

Business Data Science • AI and Big Data • Microsoft Excel • Power BI • Python • R • Analytical Thinking • Problem Solving • Emotional Intelligence

## Key Achievements



#### Gillmore Centre for Financial Technology, Warwick Business School

Position holder as a team for presenting prototype on Credit Scoring System using non-traditional data.



#### Certificate of Excellence for Chess and Debate

School of Information Science & Technology, MAKAUT (main campus).



#### Certificate of Participation

National Level Carrom player, represented West Bengal in All India Carrom Championship.

## Training Certifications

Business Metrics for Data-Driven Companies, Duke University

Complete Machine Learning and Data Science Program, Geeks for Geeks

Hyperspectral Image Processing, International Institute for Geospatial Science and Technology, Kolkata

## Projects

### Sales Prediction

<https://github.com/theAbheekMukherjee/CODSOFT>

Sales prediction model using Python and linear regression, analyzing advertising data to forecast sales with an R-squared value of 0.75, demonstrating a strong correlation between TV advertising and sales performance.

### Credit Card Fraud Detection

<https://github.com/theAbheekMukherjee/CODSOFT>

Implemented a credit card fraud detection model using Python and a Bernoulli Naive Bayes classifier, achieving 99.91% accuracy on a dataset of 284,807 transactions, effectively distinguishing between fraudulent and non-fraudulent cases.

### Smart Attendance Management System

<https://github.com/theAbheekMukherjee/Smart-Attendance-Management-System>

Developed a smart attendance system using Python and OpenCV, achieving real-time facial recognition for 100+ students. This system records attendance in CSV format, ensuring efficient and accurate attendance tracking.

### Fake News Detection System

<https://github.com/theAbheekMukherjee/Fake-News-Detection>

Developed a fake news detection system using Python and machine learning, achieving over 99% accuracy by implementing models like Logistic Regression and Decision Tree on a dataset of 45,000 news articles.