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🔗 [GitHub](#) • [LinkedIn](#) | Portfolio: <https://tanvir153.github.io/myWebsite/>

# MD TANVIR SARDARR

## Professional Summary

Data science professional with hands-on experience in machine learning, predictive analytics, and AI-driven applications. Skilled in Python, data visualization, and deploying models for real-world use cases in education and mental health.

## Education

**Master of Science in Data Science [Sept 2024 – Ongoing]**  
University of Chester, United Kingdom

**Bachelor of Engineering in Software Engineering [Sept 2018 – Aug 2022]**  
Zhengzhou University, China  
CGPA: 3.45 / 4 (87% Marks)  
Outstanding Student Award 2021 by Zhengzhou University

## Technical Skills

**Programming:** Python (Pandas, NumPy, Matplotlib, Scikit-learn, Seaborn, Word Cloud, SciPy, Plotly, Flask), SQL, C++, R

**Data Visualization:** Power BI, Excel

**UI Tools:** Figma

**Version Control:** Git, GitHub, GitLab

**Databases:** SQLite, MySQL, MongoDB

## Projects

### House Price Prediction Using Ridge Regression

**Description:** Forecasted housing prices on a 500,000-record real estate dataset using advanced regression techniques.

**Tools:** Python (Pandas, NumPy, Scikit-learn, Matplotlib), GridSearchCV

**GitHub:** <https://github.com/tanvir153/StatisticalProgramming>

### Exploratory Analysis & Visualization of Iris, Nile & MPG Datasets

**Description:** Conducted end-to-end EDA in Python and R, including summary stats, boxplots, parallel-coordinates, base-R plots, and ggplot2 faceting.

**Tools:** Python (Pandas, Matplotlib), R (base graphics, ggplot2)

**GitHub:** <https://github.com/tanvir153/Multivariate-Data-Visualization-Python-R>

### Predictive Model for Customer Churn

**Description:** Built and tuned Logistic Regression & Random Forest models to predict churn from behavioral data, evaluated via ROC AUC.

**Tools:** Python (Scikit-learn, Pandas, NumPy), SQL

**GitHub:** <https://github.com/tanvir153/retail-sales-trend-forecasting>

### **Amazon Product Review Analysis**

**Description:** Performed large-scale NLP on Amazon reviews to extract sentiment, generate word clouds, and visualize key feedback trends.

**Tools:** Python (Pandas, NLTK/spaCy, Matplotlib, WordCloud)

**GitHub:** <https://github.com/tanvir153/dataScienceProject1>

## **Work Experience**

### **ICT Lecturer [ Dec 2023- May 2024]**

Oriental Polytechnic Institute, Bangladesh

### **Executive– IT [Oct 2020 – December 2023]**

Bay Footwear Ltd. – Dhaka, Bangladesh

## **Boot Camp**

**Python** - Bangladesh University of Engineering and Technology (BUET)-2024

## **Additional Information**

**Languages:** English (IELTS: 6.5), Mandarin (HSK 5), Bengali (Native)

## **Reference**

### **Paul Underhill**

Program Leader, Computer and Engineering Sciences

University of Chester, United Kingdom

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