MD TANVIR SARDARR (Data Analytics)

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Education

Master of Science in Data Science [Sept 2024 – Ongoing]

University of Chester, United Kingdom

Module: Principal of Data Science, Research Method, Statistical Programming, SQL & NOSQL database, Machine Learning, Enterprise Development, Dissertation

Bachelor of Engineering in Software Engineering [Sept 2018 – Aug 2022]

Zhengzhou University, China

Modules: C, Java, Python, DSA, Computer Architecture & Organization, Database, AI, Software Requirement Engineering, Calculus, Probability & Statistics, Operating System, Computer Networks

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

Student Dropout Predictor

Description: Developed a web app with interactive visualizations and intervention recommendations to predict university student dropout risk.
Tools: Python (Flask, Scikit-learn, Plotly/Dash)
GitHub: https://github.com/tanvir153/student-dropout-predictor

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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