**Tushar Babbar**

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**EDUCATION & QUALIFICATIONS**

The University of Warwick, **MSc Data Analytics**  October 2021 – October 2022

* Modules: Foundation of Data Analytics, Data Mining, Visualization, Natural Language Processing.

Result – First Class (Predicted)

University Of Texas, Austin/Great Lakes, **PGP Data Science**  December 2020 – November 2021

* Modules: Data Visualization (Tableau), Predictive Modelling, Data Mining, Machine Learning, SQL

Result – First Class (Obtained)

St. Stephen’s College, India, **BSc. Computer Science** July 2017 – August 2020

* Modules: Statistical Software R, Probability and Statistics Transportation and Network Flow Models

Result – First Class (Obtained)

**WORK EXPERIENCE**

AlliedOffsets, London, **Carbon Market Data Analyst** September 2022 – Present

* Developed prediction models forecasting the trend in issuances and retirements taking place in the Voluntary Carbon Market space.
* Curated complex interactive dashboards to succeed client requests.
* Contributed to client-facing products and research.

Computer Base, India, **Analyst** June 2020 – September 2021

* Curated business reports for the CEO's office, by evaluating data and identifying significant areas of possibility for business growth.
* Played an integral role in the client acquisition project, which resulted in a boost in sales and drive expansion.
* Reduced the disparity between expected and target KPI by identifying any lapses in the business model.

Z1 Media, India, **Digital Connect Associate** July 2020 – August 2020

* Successfully delivered Client Requests worth $100k in 1 month through collaboration with 15 team members.
* Gained insight driven decision-making within the business into user behavior, analysis of website traffic, and advertisement selections through software like Google Analytics to improve user experience.
* Identified user experience issues and scheduled follow-ups with clients to enhance user experience with analytics.

Taken Mind, India, **Data Analyst Intern** November 2019

* Participated in the design and planning exercises with a team of advanced analytics and reporting analysts for future product rollouts for Consumer Goods.
* Adhered to critical deadlines and assessed effectiveness of work deliverables, attention to detail, initiation with client meetings, provide analytical expertise
* Being a part of the global internship program, worked on performing Data Analysis operations using Python.

Life Insurance Corporation of India, Dehradun (India), **Summer Intern** May 2019 – July 2019

* Worked on Data Valuation process, D-Return and Life underwriting process, and various other allied statements.
* Getting an insight into Mortality and factors building analytical skills using MS Excel, MS Power-point.
* Initiated effective dialog and provided any feedback for further enhancement.

**PROJECTS**

**Air Quality Prediction of Delhi** March 2022 – September 2022

* Instituted a novel machine learning prediction model to forecast Delhi’s Air Quality for future from AQ situations before/during/after covid lockdown.
* Used techniques like Linear Regression, Feature Engineering (PCA), Neural Network, LSTM, Time Series Forecasting using Python
* Achieved 85% accuracy for predictions

**Prediction of Cellular Composition** January 2022 – March 2022

* Engineered a machine learning model that uses training data (patch images with given cell counts), predicting cell counts of each type in test images using Neural Networks with 70% accuracy.
* Used techniques like Regression, Clustering, Classification, Feature Engineering (PCA), Neural Network using Tensorflow and Python.

**Capstone Project: Life Insurance Sales** November 2021 – January 2022

* Programmed a predictive model using machine learning for the Insurance firm with 80% accuracy.
* Revamped on the client’s performance, to upscale the poor performing agents for better results.

**Sentiment Classification for Social Media** November 2021

* Illustrated a sentiment classifier for Twitter Semeval competitions, addressing different challenges pertaining to the extraction of meaning from text (semantics) with 65% accuracy.
* Used techniques like Linear Regression, Feature Engineering (PCA), Neural Network (LSTM), Classifiers (SVM, Naïve Bayes) using PyTorch.

**SKILLS & INTERESTS**

* Languages: English, Hindi
* **Technical Skills:** Python (Tensorflow, Pandas, Scikit-learn, Pytorch), Advanced Excel (Power Query, Merging), Tableau, LaTeX, PostgresSQL/SQLite/MySQL, R, Java - **Intermediate**,

Linux, HTML, CSS, Javascript, Power BI– **Basics**

* Interests: Badminton (Participated - 20 Badminton National Championships, State Champion), Swimming, Dance.
* **Member** – **Institute & Faculty of Actuaries, UK, and Institute of Actuaries of India.**
* **Certifications:** Data Science: R Basics (EdX), Data Science and Business Analytics – UT Austin,

Introduction to Amazon Kinesis Analytics and Amazon Streams.

**EXTRA-CURRICULAR EXPERIENCE**

**Team Leader, Commonwealth Games,2022** July 2022 – August 2022

* Led a team of 50 volunteers in carrying out badminton-related activities for viewers' enjoyment.
* Chaired weekly team meetings to ensure efficient communication and implementation of tasks
* Delegated tasks to volunteers based on their strengths and abilities of problem solving and communication skills.

**University of Warwick, Men’s Badminton Performance Team** October 2021 – Present

* Member of **BUCS**, representing Warwick university’s men’s badminton Performance team.
* BUCS Cup Runner-Up.

**McDonald's Case Study Competition, Great Lakes. / Team Head** January 2021

* Led a team of 3 students to a rigorous Data Science case study competition against 500 candidates.
* The team backed the Runners-Up position.
* Special Appreciation from the Program Manager for the team's performance.

**St. Stephen’s College in Delhi / Captain Men’s Badminton Team** Jan 2019 – July 2020

* Led a team of 6 to university Semi-finals.
* Received Special Awards and College Colors for performance in Badminton.