

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, **BSc. Computer Science**

July 2017 – August 2020

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

Result – First Class (Obtained)

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 Analysis 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 Linear Regression, 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
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WORK & LEADERSHIP EXPERIENCE

Team Leader, Common Wealth Games, 2022

July 2022 – Aug 2022

- Led a team of 50 volunteers in carrying out badminton-related activities for viewers' enjoyment during an 11-day event
- 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.

Guest Experience Assistant, Chesford Grange Hotel

Feb 2022 – Apr 2022

- Exceeded guests expectations by anticipating their needs and going above and beyond to meet them.

- Demonstrated strong people skills by effectively communicating with guests and team members alike, always displaying a positive and professional attitude
- Played an integral role in ensuring the smooth running of banqueting operations, contributing to a seamless guest experience

Z1 Media, India, **Digital Connect Program**

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, **Global Internship Program**

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 Powerpoint.
- Initiated effective dialog and provided any feedback for further enhancement.

EXTRA-CURRICULAR EXPERIENCE

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.

SKILLS & INTERESTS

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