

# 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)

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## 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.
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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.

### Computer Base, India, **Analyst**

June 2020 – September 2021

- Organized and analyzed data to help identify areas of opportunity for business growth
- Utilized analytical skills to draw meaningful insights from data which led to client deals worth \$400k

- Played a pivotal role in the growth of the business by helping to increase sales and drive expansion

#### 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 Power-point.
- Initiated effective dialog and provided any feedback for further enhancement.

### 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, 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

#### 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.