TUSHAR BABBAR

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EDUCATION

- The University of Warwick, **MSc Data Analytics**
  October 2021 – October 2022
    o Result: Merit

- University Of Texas, Austin/Great Lakes, **PGP Data Science**
  December 2020 – November 2021
    o Result: First Class

- St. Stephen's College, India, **BSc Computer Science**
  July 2017 – August 2020
    o Result – First Class

WORK EXPERIENCE

Allied Offsets London, **Carbon Market Data Analyst**
September 2022 – Present
- Pioneered a carbon credit price estimation model with 97% accuracy, setting a new industry benchmark and driving financial gains exceeding £500,000 for clients.
- Conceptualized and introduced the world's first rating algorithm for company assessments, enhancing client engagement by 40% and offering a competitive advantage.
- Spearheaded a database overhaul project, elevating system performance by 70% and reducing data retrieval times by 99%, dramatically improving overall operational efficiency.
- Engineered an innovative project liquidity rating algorithm for over 30,000 VCM projects, uncovering untapped opportunities and boosting client portfolio values by 20%.

Computer Base India, **Analyst**
June 2020 – September 2021
- Catalysed a 65% revenue increase through the "Client Acquisition Project" by leveraging festival promotions and strategic marketing initiatives.
- Collaborated with the sales team to devise and implement innovative strategies, achieving a 50% increase in customer acquisition and enhancing conversion rates by 25%.
- Delivered comprehensive data analysis and insights, optimizing marketing and sales efforts, and contributing to a 40% increase in campaign effectiveness.
  - Earned recognition from the CEO for outstanding contributions, highlighting a consistent record of exceeding performance targets and driving business growth.

PROJECTS

Industry Leading Carbon Credit Price Estimation Model
- Championed the development of an advanced carbon credit price prediction model using machine learning, meticulously trained on a robust dataset of approximately 2000 monthly prices sourced from brokers, exchanges, and traders within the VCM.
- Deployed a comprehensive approach integrating a diverse range of global regression models. Through rigorous evaluation and selection, attained an unprecedented 97% prediction accuracy, setting a new standard in the industry.

Project Liquidity Assessment Framework
- Developed an algorithm to assign 1-10 liquidity scores to 30,000+ VCM projects, achieving a new industry standard. Applied advanced data analytics to evaluate metrics like recent credit retirements and total price inputs, optimizing project assessments.
- Introduced the Project Activity Index Tracker, integrating weighted attributes to assess project liquidity and dynamism in the VCM. Enhanced decision-making with actionable insights into project viability and performance.

SKILLS & INTERESTS

Skills:

- **Technical Skills:** Expertise in Python/Google Collaboratory, PostgreSQL/SQL, Tableau, Power BI, MetaBase, LaTeX, Advanced Excel, Observable AI and R.
  Intermediate knowledge in Java and Linux, and basic knowledge of HTML, CSS, and JavaScript.
- **Analytical and Problem-Solving Skills:** Expertise in data cleaning, manipulation, and visualization techniques. Proficient in uncovering intricate patterns and trends within complex datasets to derive actionable insights.
- **Communication Skills:** Excellent communication skills, with experience in presenting complex data insights to non-technical stakeholders.

Interests:

- Passionate about data analytics and exploring new technologies.
- Badminton player with over 20 national championships. Active swimmer. Division 3 Badminton Player in London

Certifications:

- Introduction to Generative AI, Large Language Models, Responsible AI - Google
- Data Science and Business Analytics – University of Texas, Austin

Professional Memberships:

- Member of Institute & Faculty of Actuaries, UK, and Institute of Actuaries of India.

EXTRA-CURRICULAR ACTIVITIES

Team Leader, Commonwealth Games, 2022

- Managed a team of 75 volunteers in organizing and carrying out badminton-related activities, attracting over 2500 viewers.
- Chaired weekly team meetings, ensuring efficient communication and successful implementation of tasks.
- Delegated tasks to volunteers based on their strengths and abilities in problem-solving and communication.

University of Warwick, Men's Badminton Performance Team

- Represented Warwick University's men's badminton Performance team in BUCS, reaching the BUCS Cup Runner-Up position.

McDonald's Case Study Competition, Great Lakes / Team Head

- Governed a team of 5 students to the Runners-Up position in a rigorous Data Science case study competition against 900 candidates.
- Received Special Appreciation from the Program Manager for outstanding performance.