**Alisha Parmar**

**Junior Data Engineer**.

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| **University Degree :** BSc Mathematics  **Academy Stream :** Data Engineering  **Summary.**  Alisha has just graduated from the University of Birmingham with a Bachelor’s Mathematics degree. Her first insight into data was during the lockdown, she was keen to upskill and began doing research into possible career avenues. Having completed two courses: Learn to code for data analysis and a basic python course, she discovered that she loved coding. Further to this, completing various virtual internships such as a data engineering and analytics virtual internship with G.E., her desire to pursue a career in data grew.  Data is constantly evolving and growing which implies continuous learning and progression throughout the industry. The teamwork and interpersonal skills Alisha possess, will enable her to work well within a team and alongside clients. Her drive, mindset and ambition allow her to work hard to achieve her goals and overcome any issues she is faced with. Additionally, she possesses a strong problem-solving ability which will translate well into a data engineering role.  Outside of data, Alisha's has a passion for sports and fitness. In addition to this, spending time with my close family and friends is very important to her. Recently, Alisha has rediscovered her love for reading.  **Work Experience.**  **June 2017 -> June 2021**  **Poll Clerk - Leicester City Council**  Alisha's role involved assisting the presiding officer in her duties. This meant working in a team to ensure the voting process went smoothly, interacting with a variety of people of different ages and abilities, providing language assistance (Gujurati), and securely closing down the polling station and sealing ballot boxes.  **August 2016 -> January 2019**  **Sales Assistant - Boost Juice Bars**  Communicating effectively with customers and within the team was key in this work environment. Serving customers providing a high standard of customer service. Maximising profit by constantly upselling products. Taking payments and preparing the customer's drinks.  **Education.**  **October 2018 -> July 2021**  **University of Birmingham: BSc Mathematics / 2:1**  **Final Year Project:** Alisha was tasked with a research project on a mathematics related topic of her choice, where she chose to research into Dimensionality Reduction techniques in Data Science. She researched into Principal Component Analysis, which is a multivariate, linear technique, widely used to organise and reduce data. It involved a variety of different processes and techniques such as standardisation, covariance matrix computation, eigenvalue decomposition and using scree plots to reduce the dimensions of data. She also created her own dataset and carried out Principal Component Analysis on it to demonstrate the method. This project really solidified her desire to pursue a career in data.  **Year 1 Modules:**  • Algebra and Combinatorics  • Real Analysis and Calculus  • Mechanics  • Mathematical Modelling and Problem Solving  • Probability and Statistics  • Vectors, Geometry and Linear Algebra  • Fundamentals of Accounting & Finance  **Year 2 Modules:**  • Real and Complex Analysis  • Multivariable and Vector Analysis  • Mathematics in Industry  • Numerical Methods and Programming  • Differential Equaltions  • Statistics  • Linear Algebra and Linear Programming  • Bridging Coursework Module  **Year 3 Modules:**  • Mathematical Finance,  • Integer Programming and Combinatorial Optimisation,  • Number Theory,  • Research Skills in Mathematics,  • Algebra and Combinatorics 2  • Game Theory and Multicriteria Decision Makiing |  | **Overview.**  Overview to be added here by RM. Leave this section.  **Skills.**   * Latex * Microsoft Excel * Versatile * Time-Management * Collaboration and Cooperation * Leadership * Emotional Intelligence * Add skill 9 * Add skill 10 * Add skill 11   **Certifications.**    * Add cert 2 * Add cert 3 |