

## Letter of Motivation

**Introduction-** My name is **Abbrar Saif, Mohammed** and I am highly eager to pursue my **Master's degree in Data Science** at, **Technische Universität Braunschweig**. As I already come from a Computer Science and Engineering background, and I have a focus and interest in data analysis and Machine Learning, I would like to deepen my knowledge in the field of **Data Science**.

**Academic and Professional Experience-** I have completed my **Bachelor of Engineering in Computer Science and Engineering** from Anna University, Chennai, securing an impressive **CGPA of 8.92 (German grade - 1.81)**. My academic journey was enriched with courses such as Data Analytics, Cyber Security and Ethical Hacking, Social Network Engineering, and the Internet of Things, which have laid a strong foundation for my pursuit of data science. Before my undergraduate studies, I completed my Senior School Certificate Examination in 2020 with a score of **71% (German grade: 2.29)**, and my All India Secondary School Examination in the year 2018 securing **90.2% (German grade: 1.43)**, which gave me a very good platform for other subsequent studies. Through multiple **internships**, I have accrued practical experience as a **Software Engineer Trainee at Newgen Software Technologies Limited** where I was engaged in software development from requirements to implementation. Splendidly, at **Infra BIM Techno Solutions, as a Full-Stack Data Science Intern**, I enhanced my expertise in Data Preparation, Exploratory Data Analysis, Model Selection, and Evaluation. Also, I worked virtually as an **Intern** as a **Salesforce Developer for SmartInternz** where my learnings include: Sales Management Fundamentals, Account and User Setup, Flows & Security, Record and Field Relationships, Automation Center, Lightning Web Components, and Setting up Vs Code. I also took an **Android Basics in Kotlin intern with SmartInternz supported by AICTE** in which I developed Android apps in Kotlin programming language and tools. Having the technical certifications, these experiences have given me a good ground in theoretical as well as practical aspects of computer science. Besides, I obtained an overall band **IELTS of 7.0 (CEFR LEVEL C1)** reflecting my proficiency in the English language.

**Why Master in Data Science program?** The **Master in Data Science program** at **Technische Universität Braunschweig** seems highly compatible with my career plans. The course will provide the learner with a complete package of data science lessons to include machine learning, statistical analysis, and data visualization concepts. In my opinion, the program that has the most strength is the concentration on the real-life use of **Data Science** to solve business pains. The application of multiple approaches adopted in the curriculum will enable me to learn how **Data Science** is applied in other fields thus diversifying my knowledge. I will be able to gain most of the experience from the actual hands-on projects, as well as from several industry partners who will help me apply data science techniques to various real-life scenarios. Thus, hands-on workshops on these topics would help me achieve my goal of a data scientist career, improving various industries. I will also be able to conduct further research in the development of new methodologies and tools in data science thanks to the course's focus on research.

**Why Germany?** **Germany** is famous for its good education standards and universities thereby making it attractive for students to study in this country. This makes it easier for both academics and professionals to grow to their full potential considering the country's focus on Research and Development especially with Technological advancements. Germany has a strong base of tech companies and startups which makes **Germany** a good location for a data scientist to practice internship and collaboration or look for better employment opportunities. The existence of a strong economic market especially with many opportunities for the employment of technology workers was an added advantage for the country. Also, the cultural and historical background of Germany and the generally warm attitude of people toward foreign students make this country very inspiring to study. The good news also continues with the fact that many scholarships and funding opportunities can be availed in Germany which makes it even more attractive for students from all over the world to come and study in **Germany**.

**Why Technische Universität Braunschweig?** **Technische Universität Braunschweig** is one of the best technical Universities in Germany and is famous for its advanced research and experimentation-based courses. The University's specialization in data science and advanced structure of curriculum compels me to continue my studies here. The cooperation with other research institutions and market leaders guarantees that students receive exposure to actual knowledge and working experience. The infrastructure of **Technische Universität Braunschweig** comprises all the modern amenities such as modern computing facilities and research laboratories. As a result, the qualified faculty at the university, which includes prominent researchers and industry professionals, guarantees the quality of education. The active student life and various opportunities at the university will allow me to interact with like-minded people and develop as a data scientist.

**Conclusion-** Thus, the **Master's in Data Science program** offered at **Technische Universität Braunschweig** presents all the necessary knowledge, skills, and experiences that are needed to meet the career goals. I have strong academic performance as a student of **Data Science** and I have some practical work experience, therefore I will be a good candidate for this program.

Thank you for considering my application.

Regards,

**Abbrar Saif, Mohammed**