Motivation Letter

**Danush Sathish Kumar** from India here. Seeking a **Master's Degree in Data Science** at **TU Dortmund** excites me. For your kind review, below is my academic background, interest, and future directions.

My excellent background in programming, database administration, and machine learning comes from my **computer science and engineering bachelor's degree** from Anna University, Chennai. Along with courses in programming for problem-solving, environmental science and engineering, database management system, design and analysis of algorithms, machine learning techniques, cybersecurity, and ethical hacking, my academic path includes Having an **8.92 (German Grade 1.81) CGPA**, I have become really fascinated in data science and its uses. I came to see that I had to learn advanced data science knowledge and abilities if I was to flourish in the linked, modern society.

I took the IDP **IELTS test and came with an overall band of 6.5** to raise my English competency even more. I also speak Tamil, my first tongue really well. Among my technical abilities is mastery of Python, HTML, CSS, and data science tools. Completing many online courses like **Probability for Data Science and Front End Development** has also helped me to better grasp the discipline.

My professional background includes an **internship at Conveyor Solution India Pvt Ltd,** where I learned about the sector practically. Working on a bachelor project called **"Confidentiality of Identity of Harassed Woman,"** I also developed a safe mechanism to guard harassed women's identities. This study helped me to understand the need of applying statistics to address practical issues. I also actively participated in extracurricular events such **IPL Audition and Laser Taj** at Sri Venkateswara College of Engineering and got thank-you notes for helping out.

**After much study on colleges that fit my objectives, I came upon TU Dortmund as the perfect fit**. Particularly comforting is the IMPACT program for study preparation at TU Dortmund since it provides a disciplined setting to help one enter the Master's program in Data Science. Involving departments of Mathematics, Computer Science, and Statistics, the multidisciplinary approach guarantees a comprehensive education. Two factors really appeal to me: the chance to work on a Master thesis for six months and the inclusion of internships and project work.

**Germany's outstanding educational system, robust economy, and energetic cultural environment make it a desirable place for further study.** Germany presents a world-class education together with practical training at modern universities, hence I want to study there. Strong links between India and Germany, as demonstrated by initiatives like the Indo-German Joint Call for Proposals, offer priceless chances for joint study. Studying in Germany will expose me to fresh ideas and approaches, so helping me to develop personally and professionally.

**My interest of using data to tackle challenging challenges and propel innovation across several sectors drove me to get a Master's degree in Data Science**. This curriculum gives a thorough basis in advanced data analysis, machine learning, and statistical modeling, therefore arming me with the tools to get important insights from enormous volumes of data. The possibility to work on initiatives addressing real-world issues, such optimizing healthcare outcomes, improving financial models, or expanding artificial intelligence, excites me especially. Learning the tools and methods of data science will help me to have a major impact in my profession and support the increasing influence of data in determining the course of events.

**TU Dortmund's Master's degree in Data Science will equip me with in-depth understanding of statistical theory, statistical learning, and big data among other fields.** The chance to use academic knowledge in practical situations by means of internships and project activity excites me especially. This training will also help me to create a worldwide network, thereby opening doors to greater employment possibilities and worldwide job market cooperation. Afterward, I am thinking of pursuing doctorate studies; I currently work in roles including **Data Scientist, Machine Learning Engineer, or Business Analyst.**

**Ultimately,** I am sure that my time at TU Dortmund would be a significant and fulfilling one. A protracted and productive relationship with your prestigious university excites me. I appreciate you let me voice myself.

**Sincerely,**

**Danush Sathish Kumar**