STATEMENT OF PURPOSE

I am **Bhumi Goyal**, a graduate in Computer Science and Engineering from Amity University, Uttar Pradesh, India. I am writing to express my interest in the **Master of Science in Data Science** program at **Philipps-Universität Marburg**, Germany. I have always believed in the transformative power of data to shape decisions, solve problems, and uncover possibilities that often go unnoticed.

I graduated in July 2024 with a **Bachelor of Technology in Computer Science and Engineering**, scoring a **CGPA** of **7.50.** During my school years, I **scored 70.4%** in my Senior Secondary Examination (July 2020) and **72%** in my Secondary Examination (May 2018). While these numbers represent consistent performance, they also reflect the values of diligence and persistence instilled in me. My journey so far has not been about rote learning but about uncovering patterns and finding solutions, whether it understood the theory of computation or solving real-world challenges during my internships. I completed 16 years of education in the English language. I took the I**ELTS exam and achieved an overall band score of 7.0 (CEFR Level: C1). My scores were: Listening 8.0, Speaking 7.0, Reading 7.0, and Writing 6.5.**

When I think about the role technology plays in shaping businesses today, I often recall a summer **internship at Voith Digital Solutions India Pvt Ltd.** and **Smart Internz**. The task seemed straightforward—analyse recruitment data and design a web-based system. However, I soon realized the intricacies involved. It was not just about coding but about understanding user behaviours, anticipating needs, and balancing efficiency with security. It struck me then that technology is as much about human dynamics as it is about logic. This experience deepened my interest in systems that bridge gaps between technology and business strategy, steering me toward Information Systems as a field of expertise. In terms of my professional background, I have been working as a **Software Engineer at S2Infinitum Softech Pvt. Ltd.** from June 2024 till now.

Of course, learning is not limited to classrooms. Certifications have played a crucial role in helping me explore new areas. I completed courses in **Cyber Security and Privacy** and **Principles of Economics** through NPTEL, which added diverse perspectives to my technical education. **The Python Bootcamp** I completed in September 2023 through Udemy gave me the confidence to write efficient scripts, and a **4-week Software Testing** course in February 2024 developed my analytical approach to quality assurance. Each of these certifications has been a stepping stone, sharpening my ability to connect different technical disciplines. I completed the **6-week Data Analytics course** organized by Cetpa Infotech Private Limited and was awarded a Certificate of Training.

My drive to become the master of pattern recognition and outcome prediction drives me to learn data science. Data science is amazing in how it offers clarity where uncertainty arises by bridging intuition and accuracy. I see myself using the skills I acquire in fields such as financial modelling, urban planning, and healthcare analytics—emerging ones like India present chances in companies like Quantiphi, Mu Sigma, and Fractal Analytics given its rising need for qualified data scientists. I want to work in positions like analytics consultant or data scientist so I may create models that maximise systems and offer useful insights. This course is my road to reach these objectives as it emphasises statistical techniques and sophisticated analytics.

Selecting Germany was a careful choice as it is one of the countries that blends modern technical development with academic rigidity. Its emphasis on research-driven learning guarantees that students are not only consumers but also contributors. Furthermore, Germany is a perfect place because of its active innovation environment and welcome of overseas students. Germany has a different viewpoint especially for data science. Its advancement in domains like autonomous systems, renewable energy, and medical research offers chances to effectively use data science. The attractiveness is enhanced by the access to modern facilities, and varied cooperation as well as by other elements.

Not just for its historical importance but also for its progressive attitude to teaching, Philipps-Universität Marburg drew my interest. Ranked among the top institutions worldwide (#801-850 in QS World University Rankings 2025 and #301 in the ARWU), it provides a difficult and all-encompassing curriculum framework. The university's focus on computational methods and applied mathematics fits exactly my interests. The modules, including Topological Methods in Data Analysis and Matrix Methods in Data Analysis, capture the breadth and complexity of the program. Furthermore, the regular assessments of the mathematics and computer science departments confirm to me the calibre of instruction I will get. I chose the institution as it is committed to create a cooperative and creative academic atmosphere.

Looking ahead to this academic path, I find direction in me. Not just as a student but also as an active participant contributing enthusiastically to projects and debates, I want to fully engage myself in the program. Thank you for considering my application. I look forward to the opportunity to contribute to and learn from the vibrant academic community at your university.

Sincerely,

Bhumi Goyal