

STATEMENT OF PURPOSE

The IT sector has progressed significantly in modern times. The realm of computers has been continuously developing, presenting a significant challenge for IT professionals to keep up with advancements. It is crucial to monitor market trends and advances in technology. My main focus is on honing my expertise and abilities in the industry to become a top performer. I want to enhance my professional potentials and scale up the professional hierarchy to embrace a fulfilling future. This justifies why I am applying for the **Master of Science Program in Information and Communication Systems at Hamburg University of Technology** and advance my acumen in this domain.

In this program, I will gain a thorough knowledge of digital communications by combining lectures, exercises, and laboratory work, with a focus on information theory and coding. This program will also focus on Communication Networks and Advanced Internet Computing, expanding my understanding of network architectures and contemporary computing methods. I will also study Software Verification for software reliability, and explore Satellite Communications and Navigation, along with Modern Wireless Systems to stay informed on the latest technologies. Furthermore, I will gain proficiency in Digital Signal Processing and Digital Filters while taking part in Advanced Seminars to stay updated on the latest research and developments in the field.

Coming to my academics, I completed my **10th grade with a CGPA of 10.0 and my 12th grade with 92.17%**. After that, I graduated with a **B.Tech in Electronics and Communication Engineering** from Tezpur University in February 2022. I scored 7.5 on the IELTS in September 2023. Professionally, I've worked as a **Graduate Trainee at BIAS InfoTech and as an Analyst at Deloitte Consulting**, specializing in database management and optimization. I also completed a course in Embedded Systems and won awards in speech and quiz competitions.

Germany came as an obvious destination when I started thinking about pursuing my higher education abroad. In this country we can have multicultural diversity, we could be exposed to larger environment where we can share our thoughts with many people and also could learn various things and hence this is why I opted for studying in Germany since it has the third best education system globally with several renowned scientists being educated from it hence making me want to gain knowledge from this great place; additionally it has one of the most peaceful nations too. Additionally, its education system is respected worldwide. Compared with the world-class education system, I believe that it provides the best education meeting international standards and competition. Besides this, it is one of the most dynamic, peaceful, and progressive countries in the world. Given these factors, I have determined that pursuing education in Germany would be the most advantageous option for me.

I opted for **Hamburg University of Technology** because it is recognized as one of the top institutions in Germany. Furthermore, there is a varied student body from around the world, creating a diverse atmosphere conducive to learning. The hands-on nature of the course will empower students to tackle actual real-life scenarios. The university's teaching staff is exceptional, seasoned, and current. Obtaining a degree from this university will equip me with current knowledge to succeed in today's world. Furthermore, the education system prioritizes practicality and research-oriented methods instead of theory-based learning. Additionally, its robust industry connections give me confidence that I will be provided with education that is relevant and based on industry standards. After considering all the points mentioned above, I decided to enroll in a program at this amazing university. After completing this course, I aspire to work as a researcher or developer for renowned IT companies such as Apple, SAP, and IBM. In the long run, my ultimate goal is to establish my own IT start up, making a lasting impact on the world of technology.

I assure you that I will be an asset to your university given the opportunity to pursue a Master's in the preferred field of study. It would indeed be an honour to be a part of the invigorating intellectual environment at TU Hamburg, and I resolve to use each moment of this wonderful opportunity to chart my own path to excellence.

Sincerely,

Mitali, Das