

## STATEMENT OF PURPOSE

I am **Bhumi Goyal**, an individual deeply passionate about solving computational challenges and advancing technology. With a **Bachelor Degree**, completed in May 2024, I am eager to expand my expertise by pursuing the **Master of Science in Computer Science** program at the **University of Freiburg**, Germany.

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 **IELTS 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 S2Infinitem 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.

**I want to follow this course because it offers the chance to create advanced computational solutions for problems needing accuracy, reason, and creativity.** Areas like artificial intelligence and cyber-physical systems especially appeal to me. For me, the program's results—including mastery of computational models and knowledge of system-level problem-solving—directly complement my career objectives. Working with firms like Saankhya Labs, Tata Elxsi, or IdeaForge Technology in India—emerging leaders in their respective fields—I hope to be in jobs like Machine Learning Engineer, Cybersecurity Specialist, or Embedded Systems Developer.

**Selecting Germany for my studies goes beyond only its stellar scientific and technological reputation.** Germany is well-known for its thorough and methodical approach to education, which fits well for fields like computer science. The strong scientific community of the nation and its openness to foreign cooperation create an unmatched setting for higher education. Moreover, Germany's strong link between academics and its technologically advanced industry presents chances to participate in significant studies and initiatives. Furthermore, noteworthy are some of the top computer science ecosystems found in Germany, which would offer an amazing stage for development and creativity.

**Among the several prestigious universities in Germany, the University of Freiburg is the one I would most like.** Having been accredited since March 2020, the institution promises top-notch education by means of its stringent academic structures. Ranked among the top institutions worldwide by the QS World University Rankings and with a stellar research reputation, the University of Freiburg presents the ideal mix of intellectual rigour and creativity. The Master of Science in Computer Science program of this university most appeals to me as it offers a customized learning experience by means of flexibility. Programs including seminars, research projects, and a master's thesis highlight thorough knowledge application and education. Furthermore, the university's great emphasis on multidisciplinary cooperation and access to modern research facilities fits very nicely with my academic and professional objectives. The possibility to choose modules outside of computer science really interests me as it promotes intellectual variety and an interdisciplinary viewpoint. The chance to focus on Artificial Intelligence or Cyber-Physical Systems strengthens my will to enrol in this programme even more.

*I am sure that the academic atmosphere of Germany and the well-organised course of the University of Freiburg will help me to reach my objectives. The chance to be a member of the academic community of the institution excites me as it will help and profit from its exceptional resources and cooperative atmosphere. Thank you for considering my application.*

Sincerely,

**Bhumi Goyal**