

## **STATEMENT OF PURPOSE**

“Technology, when properly applied, can do wonders.” This quote by Edward Teller resonates deeply with me, inspiring my approach toward education and innovation. Data is often referred to as the “new oil,” and as its impact continues to grow, I am motivated to equip myself with the skills and insights necessary to extract meaningful value from it. I, **Bhumi Goyal**, aspire to pursue the **M.Sc. in Data Science at the University of Europe for Applied Sciences** to deepen my understanding of data-driven technologies, enhance my analytical skills, and contribute to solving challenges in various domains such as finance, automation, and healthcare.

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 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.

**The University of Europe for Applied Sciences (UE)** offers academic quality together with an innovative approach to learning. Certified by FIBAA and Germany's Central Evaluation and Accreditation Agency (ZEvA), UE's internal quality control system satisfies exact criteria established by the German Accreditation Council. The university's focus on applied learning, multidisciplinary cooperation, and innovation fits very nicely with my goals. Ranked among top institutions, UE's FIBAA quality seal for excellence in education shows even further its reputation for providing modern programs and supporting a lively academic atmosphere. UE's emphasis on helping students to acquire a profound awareness of their areas by a dialogical and research-oriented learning environment appeals especially to me.

**Particularly in sectors such artificial intelligence, data analytics, and automation, Germany has become a worldwide leader in technical innovation.** Supported by partnerships between colleges, businesses, and research facilities, its vibrant environment for research presents unmatched chances to learn and create ideas. Aspiring to progress in data science, Germany offers a wonderful stage for someone like me to acquire innovative tools and technology. The national focus on ethical artificial intelligence uses and sustainable development speaks to my ideals. Furthermore, enticing to overseas students are the great quality of living and reasonably priced education. Germany's increasing investments in AI-driven analytics tools and healthcare as well as its cultural variety help me to not only learn but also be a very important contributor.

**The modern and thorough approach of the M.Sc. in Data Science at the University of Europe for Applied Sciences stands out.** It covers courses in Cloud Computing, which stresses scalable storage and computing solutions, and Data Analytics, which aims to extract useful insights from challenging datasets. Additionally providing specialised data engineering instruction, the curriculum prepares students to organise and oversee massive data systems. The Capstone Project and Thesis & Colloquium offer chances to investigate and help to produce innovative data science research. Designed to develop both technical and analytical skills, these courses are necessary for addressing problems in sectors driven by data.

Once the program is over, I hope to be helping the growing area of data science in positions such as **Data Scientist, Machine Learning Engineer, or AI Specialist**. Working with companies in India that are using data to transform areas including healthcare, logistics, and finance—such as Sigmoid Analytics, Affine Analytics, and Fractal Analytics—inspires me especially. These positions will let me put my skills to use designing clever algorithms, streamlining procedures, and producing insightful analysis.

*Having a strong background in computer science, pertinent work experience, and a dedication to learning data science, I am sure the M.Sc. in Data Science at the University of Europe for Applied Sciences would help me to reach both academically and professionally. The chance to study, develop, and contribute inside UE's vibrant and intellectual community motivates me. This program marks a turning point in my goal to propel data science innovation and provide significant field-of-action solutions. Thank you.*

**Sincerely,**

**Bhumi Goyal**