

Statement of Purpose

My name is **Pranati Nagaraju**. My desire to pursue the **Master's program in Technology and Innovation Management at Harz University of Applied Sciences** is informed by my passion for using technology to solve various challenges. This program corresponds with my academic preparation, specialized knowledge, and practical interests to advance the field and accomplish my career objectives.

I possess a degree in **Computer Science and Engineering from Visvesvaraya Technological University**, Belagavi, Karnataka, India, having earned a **Cumulative Grade Point Average (CGPA) of 9.05**. The subjects that I covered during my study were Deep Learning, Software Testing, Computer Networks, Advanced Java, Operating Systems, Digital Electronics, Unix System Programming, etc. These courses paved the foundation for a good understanding of theoretical concepts and also developed good working knowledge and sound problem-solving skills. In my **IELTS, I passed with an overall band score of 8.0 CEFR Level of C1**. Also, I have passed the **GRE and received 156 points** for the **Quantitative Reasoning** section which classifies me as a person with good analytical skills.

Presently, I am an employee of **Eurofins IT Solutions** and, in this company, I am working full-stack, and I engage in C# development. NET and Angular. By actively participating in this role it enables me to gain experience in aspects of software development, project, and teamwork. As a software developer, I have the responsibility of designing, constructing, and testing software to meet the requirements of the client and the general software engineering standards. Before this, I had internships **at Eurofins IT Solutions and Verzeo companies** where I learned about the systems and algorithms used in machine learning and software development. These internships enabled me to gain experience in working on assignments that involved both, inter alia, technical know-how and familiarity with market standards.

Aside from the academic and working experiences, one gets involved in numerous co-curricular activities. During my practice, I was a volunteer teacher at the **U&INGO** for half a year, during which I devoted more than sixty hours to struggling for better education for children from low-income families. The skills that I claimed from this are self-awareness, emotional sensitivity, interpersonal skills, and commitment to society. Moreover, I was able to attend the '**Great Social Leaders**' Hackathon, at which I was contributing to a team dedicated to creating solutions that address several global challenges, which helped me improve my overall leadership and teamwork competencies.

I am fluent in several software languages/tools, especially C#. NET, C, C++, Java, Linux, Python, DBMS, DSA, Pandas, and NumPy are the programming languages that have been used in this project. These skills are also supported by the certifications in Machine learning with Python which I did during my internship with Verzeo.

My final year project was a Bachelor's project that I undertook as part of my Bachelor of Design in Animation and Interactive Media, and this project was titled "**Time-lapse Aperture**". This project was intended to eliminate the drawbacks of conventional processes and negotiation which involves input mostly from the human operator. I conducted a lot of research on this project, and also, designed, developed, and implemented a lot which was a great challenge but the technical skills that were developed were tremendous and the project management skills were also enshrined in this project.

Doing my **Master's in Technology and Innovation Management** at Harz University of Applied Sciences will enable me to acquire deeper technical knowledge and essential character traits as a tech worker. The emphasis on Technology Strategy and Innovation Management will help to enhance my overall knowledge of how to create and introduce new and innovative technologies further. Internship-related comprehensible modules like Project Management will enable me to develop the essential skills required to manage a project effectively. Moreover, the coursework, teamwork throughout the program, and industrial projects will develop communication, teamwork, and leadership skills to enable me to lead teams and foster innovation in multinomial organizations across the world. By making these self-improvement adjustments, I will not only enhance my proficiency in my areas of specialization but also benefit from the development of interpersonal skills that will be crucial in the fast-changing context of technological management.

Harz University of Applied Sciences, in particular, can claim to be one of the most focused on practice and practice-oriented programs among German universities, thus it meets all the requirements of a professional future technology manager. The basics of Technology and Innovation Management have been established well for the students due to the university's efficient amenities, gedunk staff, and diversified course structure. Moreover, Harz University of Applied Sciences is located in Germany, which is among the world's leading countries in terms of technological development, which provides a great opportunity to establish vast networks among students and the local job market. These reasons indicate that Harz University is the ideal place to seek a promotion in my career goal and development since the University supports, promotes, and encourages innovation as well as boasts of strong linkages with industries.

Germany is a first-world country with outstanding facilities and equipment in technology and innovation, therefore, the country is a great place to pursue high-level education. With a focus on practical, 'on-the-job' learning, the country's well-respected universities promise a quality education. The challenging and vibrant economy of Germany coupled with the flourishing technology sector offers great potential to enhance professional competence and engage in effective networking. Moreover, it has one of the highest research intensity levels in the world and fosters innovative technological development, which is essential for pursuing studies in the field of technology and innovation management. The multiculturally diverse and international character of students and communities enriches and strengthens academic and personal development opportunities.

When I finish this program, I desire to begin working for some international technology companies like **Siemens, SAP, Bosch**, and other organizations where I can be used to create new solutions as well as manage new technological developments.

In summary, my academic experience, including course work, my proficiency in IT, prior work experience, and other activities deemed fit for this program make me a suitable candidate for this program. Thus, I believe that the Master's in Technology and Innovation Management at Harz University of Applied Sciences will play the most appropriate role in contributing towards the accomplishment of my distinguished career goals and effectuating a positive change in the sphere of technology and innovation.

Pranati Nagaraju