Letter of Motivation

Introduction

My name is **Ganesh Ramesh, Sapani**, and I wish to undertake the **Master of Science** in **Data Science** at **TU Dortmund University**. Having a solid background in computer science and a desire to use data to address real-life issues, I am more than ready to develop these skills even further through this rigorous program and become a valuable asset in the world of data science.

Academic, Professional, Technical Skills, Technical Certification, and Extra-curricular

I graduated from the **University of Mumbai** with the degree of a **Bachelor of Engineering** in **Computer Science and Engineering** (Artificial Intelligence & Machine Learning) with a **CGPI** of **7.57 (German Grade: 2.4)**; my subjects were Engineering Mechanics, C Programming, Discrete Structures and Graph Theory, Microprocessor, Data Warehousing & Mining, and Machine Learning. Before this, I passed my **Class 12** from the Maharashtra State Board of Secondary and Higher Secondary Education and studied English, Geography, Physics, Chemistry, Mathematics & Statistics, Information Technology (SCI), Environment Education, and **Class 10** I completed my Indian certificate of secondary education, where I studied English, Mathematics, Science, Social Science, and Sanskrit. I gained practical exposure during my **internship** at **Woobblr Technologies Private Limited**, where I acquired skills in digital marketing, graphic design, and business development. Furthermore, I advanced my technical competencies through the **Google Cloud Computing Foundations** program, **Prepare Data for ML APIs on the Google Cloud Skill Badge**, **Set Up an App Dev Environment on the Google Cloud Skill Badge**, **Implement Load Balancing on Computer Engine Skill Badge**, and **Build a Secure Google Cloud Network Skill Badge**. My technical expertise is further strengthened through **projects** like **AI Hindi Poem Generator**, a pioneering initiative blending machine learning algorithms and natural language processing to craft poetic expressions in Hindi, and **Fine Food Industry Analysis**, which focused on accurately classifying mushrooms as edible or poisonous to safeguard consumers in the fine food industry, showcased at the **Project Exhibition Vision 2023**. Additionally, I contributed to **Student Engagement Analysis**, a project addressing the need for effective evaluation tools in digital learning environments, showcased at the **Vi-Sion Project Exhibition 2022**. Additionally, I enhanced my problem-solving and aptitude skills by completing the **Be Aptimistic Comprehensive - CRT** course and participating in the **MaTPo Aptitude Idol-2023** competition. I also attended a **webinar on GSOC** conducted by the Google Developer Student Club, which broadened my knowledge of open-source development. I have completed **certifications** such as "**Data Science Training**" from **Sonsvels Solution** and a **three-month offline training program** on **cloud computing** conducted by **Opine Group**. My active participation in hackathons, including the **AI Amplify Hackathon** organized by Finance and the **internal hackathon** at **Vishwaniketan's Institute**, demonstrates my enthusiasm for innovation and teamwork and Certificate of Publication for Manuscript of AI Hindi Generator Published in **Recent Trends in Programming Language** by **STM Journals and Consortium e-learning Network**. Furthermore, I passed the **IELTS** test, which shows my English language competency is at the **B2 level and** got an average result of **6.5 overall band score.** Also, I Completed **16 years** of Education in the **English Language.**

Why Master of Science in Data Science?

The **TU Dortmund Master of Science** in **Data Science** program is the perfect fit for my academic and career aspirations, blending theoretical depth with practical application. The emphasis on fields like statistical learning, big data, and teamwork is essential for addressing the dynamic challenges of the data science sector. On a similar note, I find that the program is keen on skills-based learning through project work and cases, and this will prepare me for problem solving. The coursework with the subjects of Neural Networks, Deep Learning, and Statistical Theory offers the chance to refine state-of-the-art approaches. The program's international outlook excites me, as it fosters cross-cultural learning and offers opportunities for internships. Moreover, its commitment to ethical data practices aligns deeply with my belief in responsible artificial intelligence. Upon completing this program, I am confident that I will be equipped to lead impactful projects in fields like healthcare analytics and intelligent systems, contributing to meaningful technological advancements.

Why Germany?

Germany is one of the most developed countries in the world and can be considered a country with a high IT Index, and innovative, technological, and educational systems. They are famous for their ability to blend academic standards, and corporate standards, and to produce graduates who compete globally. Education strongly focuses on the research processes, which creates a chance for practice within the advanced projects. **Germany** has excellent opportunities for new technologies, plenty of tech companies, and numerous startups to provide an excellent environment for data scientists. In this case, **Germany's** policies on sustainability and ethics of technologies encourage me to educate here. It has a well-developed public transport system and safety features make students enjoy a high-quality life.

Why TU Dortmund University?

Data Science as a field of study at **TU Dortmund University** includes a wide range of subjects and innovative learning approaches. The university has excellent industry connections and affiliations with other companies in the technology sector, that afford the students relevant industry experience, and internship opportunities. It gains by its high academic standards in computer science research, which will guarantee me an interesting time in my studies. Daily stressing of the effectiveness of the three P's: Projects, Practices, and Partnerships please me for I have always been fascinated with more practices. The active and diverse student population at **TU Dortmund** University, assures to foster student growth. Infrastructural and human resource developments that are available to students at **TU Dortmund** are eye-popping, reflecting the policy of the university in producing excellence.

Conclusion

Therefore, I believe that my education and real-life experience, as well as my genuine passion for data science, make me suitable for the **Master of Science** in **Data Science** course at **TU Dortmund University**. This program will not only act as a tool in my upward movement to a higher post, but it is also a way of supporting the growing community of data scientists in the world. Thank you for considering my application. I look forward to the possibility of joining **TU Dortmund** and embarking on this transformative journey.

Yours sincerely,

Ganesh Ramesh, Sapani