Letter of Motivation

Introduction

My full name is **Ganesh Ramesh, Sapani**, and I wish to pursue a **Master of Science** in **Artificial Intelligence** at **BTU Cottbus-Senftenberg**. With a strong passion and focused efforts on delivering innovative impacts in the field of AI, I am willing and deserve to learn and make positive impacts at your esteemed institution.

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 Artificial Intelligence?

Artificially intelligent concepts like self-driving, facial recognition, and medical data are gradually transforming industries. Studying the **Artificial Intelligence M.Sc. program** at **BTU Cottbus** will allow me to refine my knowledge of more complex AI methods such as Deep Learning, Bayesian Networks, and Pattern Analysis as well as learning principles of Explainable AI for trustworthy and transparent systems. This program is an ideal blend of computer science engineering, Mathematics, and psychology for me since I have envisaged my career in creating solutions of artificial intelligence for social issues. My primary focus is to develop expertise in intelligent control systems and algorithms for purposes such as energy networks and robotics. By establishing working relationships with famous research universities like DLR and several Fraunhofer Institutes, I am ready for practical experience through thesis work. Thus, this degree will enable me to enhance my potential to be part of advanced research in AI or practice data science, intelligent system development, or AI-related innovation.

Why Germany?

Technologically and academically **Germany** is one of the most eminent countries in the world. It has active AI research with government and industrial support anchored musculature and adipose tissue layers. Importantly, the country values sustainability and an ethical approach to AI development which is important for me. **Germany's** education system incorporates a body of practices, and its emphasis on experience is a component needed to succeed in AI. Living and studying in a diverse and multicultural environment will make me a world citizen. The opportunity to work at the best internships in **Germany** and have access to state-of-the-art research equipment is attractive.

Why BTU Cottbus-Senftenberg?

BTU Cottbus has an excellent Master's degree program in Artificial Intelligence tailored to respond to current and future problems. The aspect of applied learning and research activities of the university squarely fits my career plans. Current infrastructure such as student-oriented modern laboratories inclusive of labs in machine learning and robotics are evident. The multicultural customers' engagement contributes to project collaboration and networking, meeting requirements of the modern AI. The advantage of being located in Cottbus, with the chance to join a university with tech clusters, provides tremendous possibilities for internships as well as cooperation. Last of all, the actual and close relationships developed with the **BTU** industry connections also mean that I can begin my working career immediately after completing my studies here.

Conclusion

To sum up, the **Master of Science** in **Artificial Intelligence** at **BTU Cottbus** provides the opportunities that will help me accomplish my academic and career aspirations. Therefore, I believe that my skills, experiences, and determination will help me to cover my responsibilities in the program as well as the university.

Thank you for your consideration of my application; I will be happy to be a member of BTU Cottbus.

Sincerely,

Ganesh Ramesh, Sapani