

## Letter of Motivation

### Introduction

My name is **Parth Anilkumar Rathi**, and I am writing this letter to convey my interest in studying for the **Master of Science in Data and Knowledge Engineering** at **OVG University Magdeburg**. This program of study is right up my alley in terms of my academic training and professional ambitions, and the idea of pursuing my studies at your great university thrills me.

### Academic Background

I recently finished a **Bachelor of Technology in Computer Science and Engineering** from **SRM University**, Tamil Nadu, with a **CGPA of 8.88**, equivalent to a **German grade of 1.67**. At SRM University, my academic experience has involved subjects like calculus and linear algebra, analog and digital electronics, operating systems, and digital image processing, among others. I also completed my **bachelor's project** at **RSSD, BARC**, Mumbai, based on the **interfacing of MCA and spectrum visualization with Angular**. Before my previous degree, I passed my Higher Secondary Certificate Examination, or the 12th class examination, from the Maharashtra State Board, Pune. I also finished the All India Secondary School Examination (for the 10th standard) for the Central Board of Secondary Education, New Delhi, with a grade of 75.2%. Also, I have proved myself to be efficient in the English language, wherein I have secured an overall **IELTS band score of 7.5**, which falls into the category of **CEFR Level C1**.

### Why a Master of Science in Data and Knowledge Engineering?

Specifically, the **Master of Science in Data and Knowledge Engineering** program is a perfect fit for my career aspirations. With the help of this course, I will acquire highly specialized knowledge in data engineering and data science needed for understanding and analyzing data. The emphasis on machine learning and artificial intelligence will enable me to acquire the modern tools to create analytically intelligent solutions. The curriculum comprises theory and practice; thus, I can learn how to tackle certain issues in the course of my studies. Studying the concept of know-how management will assist me in appreciating how knowledge is collected, managed, and used in decision-making. These approaches are more extensive and will ensure a successful career when practicing data engineering. Moreover, the possibilities of research and development in connection with the program will enable me to make noteworthy contributions to this branch of knowledge.

### Why Germany?

**Germany** is one of the most prestigious destinations to seek education, with high-caliber educational standards and superior research in science and technology. These attributes show that the country puts a heavy emphasis on innovation, making it appealing to students who want to build on their existing education. **Germany** has a rich multicultural setup that enhances intercultural relations and the sharing of ideas in business. Many research institutes, the software industry, and IT companies exist in the area, promoting internships and employment prospects. The spot is Germany because of its stable economy and focus on research and development, subsequently creating a market for graduates. Furthermore, cultural and ethnic diversity, along with a long history of traditions, makes the country rather beneficial for living and studying.

### Why Otto von Guericke University Magdeburg?

It can be said that **Otto von Guericke University Magdeburg** has research and innovation in data and knowledge engineering as one of its focuses. The curriculum in **OVGU** is geared towards capturing a clear and detailed look at business at the international level. The field experience information reflects the professional outlook as well as valuable exposure provided to students by the university's affiliations with several industries. Due to the high percentage of multicultural students enrolled at **OVGU**, students share knowledge and experience coming from different cultures. The university's infrastructure and facilities are aimed at serving academic and personal development. The fact that **OVGU** aims to cultivate an entrepreneurial culture suits my intention of creating solutions.

### Conclusion

I have no uncertainty that **Otto von Guericke University Magdeburg's Master of Science in Data Aptitudes and Expertise Knowledge Engineering program** will grant me the tools I need to realize my professional goals. I can't wait to add to and gain from **OVGU's** interactive academic community. Thank you for considering my application.

Regards,

**Parth Anilkumar, Rathi**