# Motivation Letter

This is **Vanshika from India**. I would like to submit my application to pursue a master's in Data Science at **Friedrich Alexander University**. Here is my academic background, interest & prospects for your kind reference.

Currently, **I am a final year student of Bachelor of Technology in Computer Science & Engineering at Guru Gobind Singh Indraprastha University, where my current score is 8.87 CGPA till 7<sup>th</sup> Semester (German Grade: 1.57**). I received some **technical certificates** for completing "Data Science Job Simulation", "Developer and Technology Job Simulation", "Cybersecurity Jon Simulation", "Agile Methodology Virtual Experience Program", "The Complete 2023 Web Development Bootcamp", and "Data Science Foundations". Some **internships and projects** were part of my bachelor studies as mentioned below:

- A project completed on American Sign Language Recognition Using Deep Learning
- Internship completed as a programmer at HCL Eductech Rohtak
- Second internship completed as an Intern in the web Development Program at Codsoft
- Another internship completed as a Full Stack Developer and HR at Internxt Technologies Pvt. Ltd.

Additionally, I have gained some **technical skills** to build my knowledge gap including **Language/Database**:- java, HTML, CSS, JavaScript, SQL, Python (Basic), and Typescript **Web Technologies**:- Bootstrap,react.Js, Next.Js, Node.Js, Redux-toolkit, and APIs **Other Technologies:-** Firebase, Tailwind CSS, CI/CD, Rest API, MongoDB, and PostgreSQL **Software & Tools:-** VS Code, Git, Github, Replit, Insomnia, Postman, Stripe, and Strapi **College Coursework**:- Data Structure and Algorithms, Data Science, and NLP. Apart from academics, I have also participated in some **extracurricular activities** for personal development.

All the above-mentioned education has been completed in the English language and also **appeared for the IELTS test with an overall score of 7.0 (C1) including Reading-7.5, Listening-7.0**, Writing-6.5, and Speaking:6.5.

During my bachelor studies, I learned about different areas of in Computer Science field. I am particularly interested in studying Data Science as I realized Data Science is related to the effective functioning of business processes in every field. Thus, I believe that Data Science is the future and it will be beneficial to learn more about it. Other than this, The demand of an expert is Data Science field is continuously growing which is showing a bright future in this field. These reasons motivated me to choose this field for my future career. I aim to use the knowledge gained from this Master's degree to perform meaningful analysis of large sets of data.

The reason behind choosing **Germany** is the country is a mixture of academic, industrial, business, and research/scientific excellence with a fascinating culture, history, tradition, and creativity. Education in most German universities is mostly practice-based. Some of the courses demand practical learning more than theoretical aspects. Also, German Universities rank high in terms of student satisfaction, employability, etc. The education system is very diverse and the quality of education is top-notch. All of these qualities make it a great place to live and work, especially for international students who are seeking a diverse and stimulating environment to pursue their higher education.

Undoubtedly, I completed my bachelor's studies from the best universities in India, and I would consider it my privilege to be able to pursue my master's studies at **The Friedrich Alexander Universität** and avail myself of the excellent infrastructural facilities and research opportunities it has to offer. This university is one of the recognized universities in Germany. It has committed to providing quality education, and a clear career path to its students. The university provides modern facilities, and resources to its students. It has partnerships with industry leaders for internships and job opportunities. The university welcomes students from all over the world and provides diversity to the campus. I believe that with the guidance of esteemed faculty members of the department and my passion for the subject, I can succeed in the program.

Under this master's program, I will gain extensive knowledge in areas like Mathematics, Machine Learning, Data Ethics and Privacy, Data Visualization, Programming, Software, Analysing skills, Problem-solving skills, and many more. I will also learn how to apply these skills in practical ways to gain useful insights. Other than this, a degree from Germany will make me more competitive in the job market. It will open an exciting career for my future in various sectors, where I can start my professional career as a **Data Science Manager, Data Scientist, Data Architect, Machine Learning Engineer, etc.**

I would like to thank you for taking your precious time to go through my application. I also humbly request you to consider it and provide me with this unique opportunity if you deem me worthy of your institution.

Vanshika, India