

STATEMENT OF PURPOSE

My name is **Rohit Kumar Gupta** and I was born on **28th January 2001**. I live in **Maharashtra State of India** and hold a valid passport with number **W7247670** issued by the Republic of India.

This letter is to request the visa officials to kindly issue me a long-term student visa as I have secured admission for a M.Sc Artificial Intelligence at the IU University of Applied Sciences, Germany. This program is commencing on **01.04.2024** and I have to be present at the campus before that. Thus, I am writing to the respected visa authorities to issue my student visa for Germany. Regarding securing my admission at the university on campus, I have already submitted **7.320,60 Euros** tuition fees.

I worked as a **Software Developer** at **Sulzer Pumps India Pvt. Ltd., India** from September 2022 till December 2023 and I have also worked as a **Senior Software Developer** at **Ocean Cognizance Pvt. Ltd** from January 2023 to December 2024 since completing my **Bachelor of Engineering - Computer Engineering** from the University of Mumbai in May 2022. During my bachelor's, I completed a project titled: Personality Prediction using Social Media handles and posts and also completed an internship in Software Development at Qikkle Solutions Software Company from June to October 2021.

Moreover, I completed my 10th and 12th from the Maharashtra State Board of Secondary and Higher Secondary Education in 2016 and 2018 respectively. Besides this, I have gained various technical certifications on completion of several programs including The C++ 20 Masterclass Advanced (Udemy) ,The Complete Data Structures and Algorithms (Udemy) 100 days of Code :, The Complete Python Pro Bootcamp (Udemy) , Data Analysis with R Programming (Coursera) In addition, to prove my language proficiency for this program, I have passed the **IELTS** exam with **7.5 scores**.

After completing a Bachelor's degree in Computer Engineering, pursuing a M.Sc Artificial Intelligence is an informed decision that will allow me to expand and broaden my knowledge of the field. Although my undergraduate program gave me a thorough understanding of fundamental engineering concepts and how they are applied in computing systems, a master's degree in computer science could provide me with a more advanced and specialist curriculum. Furthermore, with the help of its learning outcomes, this advanced degree from the IU University will provide me with a greater theoretical understanding and practical abilities in fields like software engineering, data science, machine learning, and artificial intelligence. I will be able to explore the most recent developments and approaches in the quickly changing tech industry. As a result of these experiences, I have developed a huge interest in diving into the area of computer science and thus, I admitted into the **M.Sc in Artificial Intelligence at the IU University of Applied Sciences**.

The program curriculum is aligned with the university's research group which is focused on current developments. It provides students with the expert knowledge and skills essential for both scientific and professional careers. The curriculum of this program is divided into four sub-curricula, which are:

- 1. Algorithmics**
- 2. Deep Learning**
- 3. Machine Learning**
- 4. Intelligent Systems**

Now, I want to convey the **essential learning outcomes** that I hope to gain through this program:

- **Advanced Programming Skills:** Mastery of programming languages such as Python, Java, or C++ will enable me to design software for a variety of applications.
- **Algorithms and Data Structures Proficiency:** Comprehending complex data structures and algorithms will help me solve problems, create high-performance applications, optimise systems, and work with large amounts of data.
- **Expertise in machine learning and artificial intelligence:** By mastering these methods, I will be able to direct the creation of computer vision, natural language processing, predictive analytics, and intelligent systems.
- **Cybersecurity Knowledge:** Cybersecurity expertise will assist me in the construction of secure systems, data protection, threat detection, and other critical aspects of preserving sensitive information in a technologically driven society.
- **Software Engineering Principles:** Having a thorough understanding of software engineering techniques would help me develop, test, and implement software products in an organised, cooperative manner.
- **Database Management Skills:** Proficiency in database management systems (DBMS) will enable me to handle massive amounts of organised or unstructured data effectively.

- **Understanding of Networking and Distributed Systems:** Gaining an understanding of networking and distributed systems will help me create scalable and effective systems, such as cloud computing, the Internet of Things, and network protocols.
- **Research and Problem-solving Capabilities:** Developing my research skills will allow me to investigate novel technologies, make contributions to science, and find creative solutions for challenging issues, all of which will promote field improvement on an ongoing basis.

Upon the completion of this program, I hope to improve my leadership and teamwork abilities through a variety of experiences so that I can advance to higher positions. By utilising the wonderful prospects to work globally, I would like to obtain more real-world experience in this industry.

By making use of these opportunities, I will also improve my capacity to research issues, develop solutions, and produce captivating software for business requirements. With a few years of experience, I am committed to leaving a significant impact on the IT sector. My goal is to pursue a lucrative career in software development, where I can work on innovative projects and carry out leading-edge research. My long-term goal is to work for prestigious companies like **IBM**, **Wipro**, and others in leadership positions like **Software Development Manager**.

Apart from the program itself, I was extremely attracted towards the IU University reputation and Germany's advanced technological environment. Located in Berlin, Germany, IU is Germany's largest private university, accredited by institutions like FIBAA and the German Council of Science and Humanities. The university focuses on practical skills and industry-oriented learning, preparing students for the job market. IU has partnerships with global companies like Microsoft, AWS, and Lufthansa, offering networking and internship opportunities.

The university offers a wide range of programs, including computer science, and places a strong focus on interdisciplinary study. This makes it an ideal place to explore various perspectives and expand my knowledge in a vibrant and encouraging setting. By utilising cutting-edge resources and exceptional staff, the institution not only guarantees a top-notch education but also provides access to valuable networking and cooperation opportunities. Ultimately, attending this university promises to provide a top-notch education, a varied and engaging learning environment, and a doorway to a rewarding career in the rapidly advancing fields of knowledge and innovation.

Regarding **Germany**, it is one of the developed nations that is well-regarded as Europe's most attractive study destination. Germany is also well known for providing outstanding education that satisfies international standards, especially in the fields of computer science, engineering, and business. Because of its rich culture, strong standards of living, safety, and security, it is one of the safest nations globally. It also provides a steady and organised career advancement.

Furthermore, Germany is a global leader with close ties to the world's largest economies. Its companies, with their vast experience and global reach, are major funders of research. It is also an excellent location for acquiring the knowledge and abilities required to work in computer science because so many major international companies, including Google, Zalando, Amazon Development Centre DEU, and others, have their headquarters there.

Studying in Germany is affordable and convenient. To support my educational stay here, I have made the necessary **financial arrangements**.

- Blocked Account Balance: **11,904 Euros**

In the end, I would like to request the respected visa authorities to kindly issue my long-term student visa for Germany.

Sincerely,
Rohit Kumar Gupta