

Letter of Motivation

Introduction- My name is **Abbrar Saif, Mohammed**, and I am willingly writing the letter of intent to get admission to the **Master of Science in Data Science** at **FAU Erlangen**. Having received a sound academic grounding in computer science and engineering as well as developing a penchant for data-driven decisions, I look forward to deepening my understanding and strengthening my expertise in the fascinating area of **Data Science** at your esteemed University.

Academic and Professional Experience- I recently completed my **Bachelor of Engineering in Computer Science and Engineering** from Anna University, Chennai, with a **CGPA of 8.92** (equivalent to a **German grade of 1.81**). During my undergraduate studies, I developed a profound understanding of core subjects such as Data Analytics, Social Network Engineering, Cybersecurity and Ethical Hacking, and the Internet of Things. My academic performance has consistently been above average, with a strong foundation in technical subjects. Before my undergraduate studies, I completed my Senior School Certificate Examination in 2020 with a score of **71% (German grade: 2.29)**, and my All India Secondary School Examination in the year 2018 securing **90.2% (German grade: 1.43)**, which gave me a very good platform for other subsequent studies. Through multiple **internships**, I have accrued practical experience as a **Software Engineer Trainee at Newgen Software Technologies Limited** where I was engaged in software development from requirements to implementation. Splendidly, at **Infra BIM Techno Solutions**, as a **Full-Stack Data Science Intern**, I enhanced my expertise in Data Preparation, Exploratory Data Analysis, Model Selection, and Evaluation. Also, I worked virtually as an **Intern** as a **Salesforce Developer** for **SmartInternz** where my learnings include: Sales Management Fundamentals, Account and User Setup, Flows & Security, Record and Field Relationships, Automation Center, Lightning Web Components, and Setting up Vs Code. I also took an **Android Basics in Kotlin** **intern** with **SmartInternz supported by AICTE** in which I developed Android apps in Kotlin programming language and tools. Having the technical certifications, these experiences have given me a good ground in theoretical as well as practical aspects of computer science. Besides, I obtained an overall band **IELTS of 7.0 (CEFR LEVEL- C1)** reflecting my proficiency in the English language.

Why Master of Science in Data Science? The **Master of Science in Data Science** at **FAU Erlangen** offers the right scope of studies for me academically as well as professionally. The offered program's curriculum includes quite an extensive list of courses including Machine Learning, Big Data Analytics, and Data Visualization that will help me gain the knowledge to address data challenges. The setup of learning at **FAU** is the most appropriate for me especially because the experience is more of an encounter with the course content while at the same time being able to acquire the theoretical knowledge needed to apply different and more complex approaches to real-life problems. The possibility of choosing subjects in such disciplines as databases, artificial intelligence, and simulation will help me improve my understanding of data science and gain new information. This fact is especially advantageous for **FAU** because the institution emphasizes direct teaching methodologies and a practice-oriented approach together with the primary study plan's main tenet of entrusting students with the choice of occupationally related field-specific courses. When I complete this program successfully, then I will be ready to transform changes across various sectors to be a data-driven project leader to help me achieve my objective of leading projects that will help create positive change.

Why Germany? **Germany** has earned a reputation in research and innovation thus making the country eligible to host some of the best data science programs. The education and research system in the country describes conditions for academic education and innovations that can be seen below. Germany is one of the largest and most developed countries in Europe and in the world with the constantly expanding and developing technology sector which offers numerous opportunities for data science specialists that I consider to be advantageous for me. Because of the emphasis on more practical learning as well as relations with the industries in Germany, this is the best system of education that will assist me in gaining practical experience on how to work as a data scientist. **Germany** also has a developing academic environment and a rich culture with accurate, creative, and sustainable principles; thus studying in **Germany** will also enable me to acquire the knowledge to cope with this culture.

Why FAU Erlangen? **FAU Erlangen** is one of the best universities in Germany in terms of the quality of education and research that it offers to learners in diverse faculties including data science & artificial intelligence. The university has a special focus on interdisciplinarity and interdisciplinary collaboration which is also dear to me. Mobile and technologically advanced research facilities of **FAU** and exposure to the latest research in the field of data science are likely to enhance my knowledge bank and skills. The industry liaison plays a great role in internships and career opportunities and the physical location of the university is also in an area known for innovation and in the technology sector. **FAU** as an international-oriented university with lots of students' lives promises a rich and friendly environment for students' personal and academic development. One of the reasons why I wanted to apply to this program is the possibility to attend and study together with some of the best experts in the field of data science at **FAU**.

Conclusion- Therefore, I consider that the credit program in the **Master of Science in Data Science** at **FAU Erlangen** will greatly benefit me academically and professionally. Supported by the program's demanding academic schedule and the outstanding facilities and environment of the university I will be well-prepared to study **data science**. Thank you for considering my application. I look forward to the opportunity to contribute to the academic community at **FAU Erlangen** and achieve my career aspirations in **Data Science**.

Sincerely,

Abbrar Saif, Mohammed