**Statement of Purpose**

With a **Bachelor of Science in Data Science**, just graduated from Symbiosis Skills and Professional University, Pune, India, is **Ayush Kumar Singh**. Reflectated in my CGPA of 8.98 (German Grade 1.50), my academic path has given me a strong basis in key fields such Data Structures and Algorithms, R Programming, Data Mining, and Artificial Intelligence. Beyond the classroom, certifications in Python, R, SQL, Scikit-learn, TensorFlow, Web Scraping, Tableau have refined my technological abilities. These encounters have stoked my enthusiasm for data science; thus, I am keen to expand my knowledge by means of a Master's program so enabling me to significantly contribute to this exciting discipline.

My career goals have also been much shaped by my work background. Working as a **Python Engineer at PriceLabs Revenue Solutions Private Limited**, I created and maintained thorough Dash (Plotly) applications addressing frontend and backend capabilities. Along with doing in-depth assessments for important European clients and developing unique automated scripts for big accounts, this job also required. Before this, I oversaw the internal analytics team as **Product Specialist at Zemploy India Private Limited**, building dashboards that drastically lowered the average first reaction time of our team—from 12 hours to 1.5 hours. These positions have improved not only my technical abilities but also strengthened my capacity to apply statistically based answers to practical problems.

**Germany** is a perfect place for my advanced studies since of its standing as a worldwide leader in technology and creativity. The nation's focus on top-notch education, especially in the domains of artificial intelligence and data science, fits absolutely my academic and professional objectives. Germany offers a rich environment for intellectual and professional development because to its strong research infrastructure and dedication to encouraging innovation by means of academic-industry cooperation. Furthermore, the varied and tolerant culture of the nation provides a great educational opportunity whereby students from many backgrounds may flourish and share ideas. Studying in Germany will not only give me access to world-class education but also expose me to the discipline, efficiency, and innovative technology Germany is known for, so extending my viewpoint and ready me for a successful worldwide career.

**FAU Erlangen-Nürnberg** stands out to me as a top choice for pursuing a Master's in Data Science and AI due to its exceptional reputation in the fields of computer science and engineering. The university's modern facilities and dedication to research-driven education fit exactly my wish to explore data science more closely. Strong links between FAU and top research facilities and business partners offer a priceless venue for professional growth and practical education. I exactly want to improve my knowledge and implementation of data science methods by means of the university's multidisciplinary approach, which combines theoretical knowledge with practical experience. Furthermore, FAU's active academic community and support of international students guarantees a favorable surroundings for both personal and professional development.

Master's degree in Data Science provides the ideal forum for me to expand on current knowledge and abilities. All of which are vital for handling today's data-driven difficulties, this program will provide me the chance to investigate sophisticated statistical methodologies, machine learning algorithms, and big data technology. The program's hands-on approach which involves practical projects and internships allowing me to immediately apply my learning to real-world situations excites me especially. Working with modern tools and technologies such Python, R, Hadoop, and Spark will allow me to create creative ideas and support my field research. Developing these abilities will help me to be ready to meet challenging data tasks and propel significant transformation in several sectors.

After earning my Master's degree, I hope to be in a position where I can use artificial intelligence and data science to propel efficiency and invention across sectors. Jobs involving predictive analytics, artificial intelligence-driven decision-making, and the creation of smart apps capable of revolutionizing companies and enhancing living conditions particularly pique my curiosity. Over time, I want to oversee initiatives that challenge the limits of data science's capabilities, so advancing developments that would benefit society. The Master's program at the FAU Erlangen-Nürnberg will, in my opinion, provide me the technical knowledge, practical experience, and worldwide viewpoint required to reach these objectives and flourish in my chosen sector.

**I value your giving my application some thought. The chance to develop inside the prestigious academic community at the FAU Erlangen-Nürnberg and help to contribute excites me.**

**Sincere,**

**Ayush Kumar Singh**