STATEMENT OF PURPOSE

My name is Rahul Biju Kumar Nair, and I am excited to inform you that I have been offered admission for a Master of Science in Artificial Intelligence and Machine Learning at the Technical University of Darmstadt.

Artificial Intelligence and Machine Learning are rapidly evolving fields with immense potential for shaping the future of technology. With a strong foundation in computer science from my undergraduate studies at University of Kerala, I am eager to delve deeper into these subjects and explore their applications in real-world scenarios. The Masters in AI and Machine Learning program at Technical University of Darmstadt offers a unique combination of theoretical knowledge and practical experience, making it the perfect platform for me to achieve my academic and career goals in these exciting fields. I am confident that this program will equip me with the necessary skills and expertise to contribute to the advancement of AI and Machine Learning in the future.

As a computer science student, I have always been fascinated by the potential of artificial intelligence and its impact on our daily lives. My interest in AI was ignited when I had to improve a mobile application project during my undergraduate studies. I started exploring the capabilities of AI and its applications in various fields, such as healthcare, finance, and entertainment. The more I learned about AI, the more I was convinced of its potential to transform our world. I believe that pursuing a Master's degree in AI and Machine Learning will equip me with the necessary skills and knowledge to contribute to the development and advancement of this technology. I am especially interested in exploring how AI can improve user experience and personalization in mobile applications, making them smarter and more efficient. I am excited about the possibilities of AI and am motivated to be a part of its growth and development through this Master's programme.

Pursuing my bachelor's in Computer Science from the College of Applied Science IHRD, Mavelikkara, I scored a total of 7.173. I also achieved an IELTS score of 7.0.

Outside of academics, I have participated in a lot of extracurricular activities. I was an NCC cadet and National Service Scheme (NSS) volunteer which taught me how to lead and to stay focused under pressure.

Why Technical University of Darmstadt?

TU Darmstadt's highly respected position in AI research, led by such leaders as Wolfgang Bibel, one of the founders of AI in Europe and Germany, is a very good fit for my interests. The university's:

- Early investment in AI research

- Innovative projects like the Centre for Cognitive Science and the Hessian Centre for Artificial Intelligence

- Interdisciplinary collaboration with fields like IT, biology, mechanical engineering, psychology, sociology, and linguistics thus making my academic and career goals to be in line with them.

The curriculum of the program, which covers machine learning, deep learning, computer vision, and natural language processing, will help me contribute significantly to TU Darmstadt's dynamic AI community.

Why Germany

Pursuing my Master's degree on Artificial Intelligence and Machine Learning in Germany will provide me with a great opportunity to immerse myself in a world-renowned education system that emphasizes global perspectives. Many international corporations and innovative startups at the forefront of technology are based in the nation. This setting provides excellent chances for internships and teamwork, enabling me to obtain real-world experience and apply academic ideas to problems in the actual world.

Another important factor in my decision was Germany's openness and diversity of cultures. I value the friendly environment that fosters cross-

cultural interaction as an international student. My academic experience will be enhanced by this diversified atmosphere, which will also aid in the development of my global perspective on Artifiacial inteligence .

<u>Career Goals</u>

My short-term goal is to become involved with a company that promotes the application of Artificial Intelligence towards solving real problems. In the long term, I aim towards leadership positions, ensuring data strategies and promoting data literacy. I intend to join the two spaces of technical ability to build a solid moral basis for a society on which the implementations of programs related to social problems are developed.

Family Background

 I stay with my parents and my younger sister. My father is currently a Gym trainer and my mother also runs a bakery business. My younger sister is looking forward to study nursing in Germany. Upon the completion of my course I want to come back and stay with my family and find a suitable job. With my earnings I would like to help my father financially and ease the load off him. I also wanted to help my sister who wishes to study abroad since education is the key to success and also provides his financial needs. I have seen my parents sacrifice their happiness in order to provide for my sister and I. This has been my motivation to come and make enough earnings so I can grant all their wishes and be their support in old-age.

Eventually, i sincerely assure the visa authorities that my decision to pursue my Master's degree is a result of sincere determination in my heart. I am yearning to engage TU Darmstadt's leading AI research and thereby contribute to its frontier to move it forward.

Thank you for considering my visa application, and I hope to have the opportunity to study and thrive in Germany.

Sincerely,

Rahul Biju Kumar Nair