

## **Statement of Purpose**

My name is Mufeeth Variyakundil and I am from Malappuram which is one of the most beautiful state in Kerala, India. My birth dates back to the 5th of July the year 2000. The passport number is T 4230040. As I have a great passion for increasing my academic background, I feel confident about the possibility to continue my education in Poland with a focus on advanced studies. After a lot of preparations and research, I have been admitted to the University of Wroclaw to pursue my Master's degree in Astrophysics specializing in the same field. This statement has a special value as the part of the application for a student visa, where I declare my further steadfastness towards achieving my dreams for education in Poland. I am fully committed to go for it as I have vowed not to allow anything come in the way of me attaining my higher education goals and or fulfilling my professional dreams.

My academic journey began in 2019 with my pursuit of a Bachelor Degree in Physics as an undergraduate student in Najath College of Science and Technology, Karuvarakundu, Malappuram, a college affiliated with the world renowned University of Calicut. As a full time undergraduate student juggling the rigorous workload of degree I was pursuing and honing my skills as a part time science tutor which includes physics, chemistry, biology and mathematics. And between my degree I did my research in "wiedemann-Franz law". I eventually completed my Bachelor of Science in Physics with a 52.33% mark standard in April 2023. After graduation I have completed my diploma in Data science-ML-AL- Big data with Cloud & TABLEAU from NACTET, National council for Technology and Training with A+ grade, in 2023. Between my Diploma I have worked on a research paper on "Classification of Jellyfish Galaxies". Currently I am working as a Manager in a hospital named Shafi family clinic. Also I have worked as an exam invigilator and IT support for both offline and online exams of NTA (NEET, JEE, NET Exams) under eduquity as a part time job. I also worked at Qatar star services LLC, Doha as IT Supervisor for the FIFA World cup Qatar, 2022. During my undergraduate life I have participated in many webinars about Astrophysics and I found astrophysics intriguing because it challenges the boundaries of human knowledge and encourages a deeper exploration of the cosmos also its about understanding planets, galaxies, nebulae, black holes and all of the other objects drifting in the cosmos. I have a deep passion for the cosmos and a desire to unravel its secrets, astrophysics can be an immensely fulfilling and rewarding pursuit. A degree in astrophysics will lead me to diverse career opportunities in academics, research institutions, space agencies, industry and education.

I opted for a Master of Astrophysics because of my deep passion for understanding the universe and the opportunities this field presents in India. With a strong foundation in BSc Physics, I have always been fascinated by the mysteries of space, celestial bodies, and the fundamental forces that govern the cosmos. My academic background has equipped me with a solid understanding of core physics principles, sparking a keen interest in exploring the more specialized and advanced aspects

of astrophysics. In India, the field of astrophysics is gaining significant momentum, with organizations like the Indian Space Research Organisation (ISRO) and various research institutions expanding their focus on space exploration and astronomical research. For instance, India's ambitious missions such as Chandrayaan and Mangalyaan have put the country on the global map, highlighting the growing importance of astrophysics. There is a rising demand for experts in this field who can contribute to both theoretical research and practical applications, such as satellite technology and space exploration. Pursuing a Master of Astrophysics will allow me to delve deeper into this exciting domain, contributing to India's advancements in space science. My goal is to be part of this dynamic field, driving innovations and contributing to cutting-edge research that pushes the boundaries of our understanding of the universe.

I chose the University of Wroclaw because while it may not be among the best ranked universities it provides the right blend of academics, research and cultural experience that I desire. The establishment has an elite label but the global rating comparable to Global league table produced by QS World University Rankings 2024 places the university at 801-850; in the band 1201-1500 in rating of Times Higher Education. However, these figures are only an indicator. Notably, the University of Wroclaw has been ranked at #1049 in the Best Global Universities, a ranking that has not deviated in a number of years, which shows the university's stable performance across a variety of academic metrics; nonetheless, the above areas of specialization gave me the rationale to join the university. The University of Wroclaw pays special attention to Research Based Education especially in Science faculties, which is essential for Astrophysics. It also provides all learners with an opportunity to access some of the best facilities, an experienced faculty, and brilliant learners for collaboration that will challenge innovative and critical thinking. It is the environment I need to grow as a researcher and beneficiary in the field of astrophysics. Also, with emphasis on academic performance, the established and successful tradition of the university is boosted by the ancient and diverse city in which the university is located. For myself, Wroclaw is a rather selected city that combines the spirit of history and concerns of the present, which has become an ideal setting for my learning and evolving. Opportunity to study with students from different countries, as well as the option to be a part of advanced research projects became the nail in the coffin to my final decision. To sum up, I find the thought about the University of Wroclaw as an ideal place for me to be for further education and to achieve the goal of my career regardless of the rankings all around the world.

I believe Poland would be a much more appropriate study destination for me than India, primarily considering the prospects in astrophysics. The Polish universities have specialized courses, modern laboratory and research centers which focus more on Science and Technology and innovation, these are attributes of my desire for the university. Studying in Poland also offers a chance to get acquainted with different approaches to the learning process and participate in a project with foreign professors as well as with students from different countries. Basing myself on the academic reputation, especially in the fields of sciences I decided to move to Poland. The 3rd level education

institution in Poland is well equipped and highly acknowledged international standard universities offering excellent challenging academic courses and research laboratory with strong concern towards innovation. To anyone who enjoys astrophysics as a profession, the ability to study in a country that has in one way or the other contributed to space science and astronomy is very attractive. The dedicated investments and commitment for scientific research and developments of Poland with rich contribution in scientific achievements make the environment conducive for students. Moreover, the education benefits of Poland are quite impressive as the education is of high standard and still quite affordable to students from other countries like me. Besides, the doors to scholarships and other forms of financial assistance are open, which makes studying in Poland less of a burden in terms of financial matters as I can now concentrate in my studies. Apart from the scholarly aspect of the course, Poland's history, arts, students' social activities, and embracing attitude towards the foreign audience provide a great experience in addition to the course. The strategic positioning of the country in the center of Europe is also a plus as this allows me to explore other countries in Europe for cultural and educational tourism. In general, Poland is the most suitable country for the successful continuation of my educational process and goals in the field of astrophysics.

Once I finish my Master of Astrophysics I would like to go back to India and work with organizations like ISRO or work for a private space startup like TeamIndus. Here, I will try to make best use of my experience in astrophysical data analysis, celestial mechanics, and superior research methodologies to be a part of such initiatives. For instance, based on my experience I see myself as a research scientist working in satellite astronomy or space exploration missions and involved in data analysis, and formulation of new technology. On a side note, I wish to establish active partnerships with universities to work for the translation of research theories and findings into practice to improve on the state of scientific development in India. My long term objectives will be to stand in the center of the progressive India in the field of astrophysics and space sciences.

Warm regards,

**Mufeeth Variyakundil**