**Statement of Purpose**

I, **Chetan Tanaji Thombare**, am herewith submitting the statement of intent for my sincere desire to seek the **Master of Engineering in Autonomous Driving at Coburg University**. Education and professional practice have nurtured me to develop a strong interest in the advancement of automotive technology and Artificial Intelligence and this program presents an opportunity to further my career.

I started my academic journey at Maharashtra State Board of Secondary Education in Pune where I completed my Secondary School Certificate Examination in the year 2016. Based on this foundational study, I proceeded to the Maharashtra State Board of Technical Education to do a **Diploma in Mechanical Engineering in Mumbai** receiving a grade of 79.64% in the year 2020. This program made me familiar with important subjects such as Engineering Graphics, Fluid Mechanics & Power Plant Engineering which developed my interest in the mechanical part of the vehicles.

The foundation of my technical education is **my Bachelor of Engineering in Mechanical Engineering from the Savitribai Phule** Pune University which I am currently pursuing and expected to finish by November 2024, This offered me a clear insight into Engineering Thermodynamics, Mechatronics, as well as Dynamics of Machinery. These subjects formed a basis for the development of my interest in technologies pertaining to autonomous driving. One of the most significant experiences in academic learning was the execution of the bachelor’s project at Dr. D. Y. Patil School of Engineering, Pune,“**Printed Circuit Board Quality Inspection by Image Scanner**”. This project was about image processing and automated inspection systems that are helpful when building autonomous vehicles. I understand the need for precision and reliability in automotive systems from the work done in using superior algorithms to screen and categorize the defects in PCBs.

From December 2023 till May 2024, I was employed with **Quess Corp Limited as a Samsung Experience Consultant** in Bangalore. I have also got good communication skills and a special focus on consumer electronics which can help me to innovate the autonomous driving solution from the user’s perspective.

**Why this course**: The M. Eng. Autonomous Driving at Coburg University is the best continuation of my previous education in Mechanical Engineering. My bachelor’s degree gave me a rounded background in subjects such as Engineering Thermodynamics, Mechatronics, and Dynamics of Machinery, which are useful in comprehending the mechanical side of self-driving cars. This master’s program will enable me to expand this knowledge and get deeper into innovative technologies that define the advancements in transport. The areas of study in the course like artificial intelligence, sensor fusion, and advanced control systems are in line with my earlier project engagements with automated inspection systems. It allows me to bring mechanical engineering fundamentals into the promising area of autonomous driving, which is bridging the gap between traditional automotive engineering and modern computer science.

This course effectively specializes me more in skills that are highly rated in today’s ever-changing automotive industry and will therefore go a long way in enhancing my profile. Things like sensors and actuators, vehicle networking and data processing, adaptive control and AI as well as the interfaces between man and machine will all help to prepare me well for exclusive work on autonomous vehicle technology organizations. This course is not merely progressing my career; it is a chance to be involved in the advancement of mobility technology that will redefine mobility around the globe. Due to the rapid development of this field and the opportunity to make a positive change in road safety and transport management, I am eager to join this innovative sphere. Automotive engineering and innovations are one of the most advanced disciplines in Germany making the country the best place for me to pursue my graduate studies.

**Why Germany:** I have chosen Germany as the country for my Master’s studies in Autonomous Driving. Firstly, Germany is famous for being the automobile hub of Europe, and several large automotive companies, including BMW, Mercedes-Benz, and Volkswagen are based here and are closely working on self-driving car projects. This creates the most conducive environment for learning and possible training within local and international organizations. Secondly, many universities in Germany are reputable, especially in providing, professional education, especially in the field of engineering education which provides first-rate research facilities and networks to industries. Moreover, Germany has a robust curious stream culture and specifically an appropriate environment for technology startups especially in the autonomous driving field which is my area of interest.

**Why this university**: I have a preference for Coburg University because they have state-of-the-art infrastructure and corporate connections in the context of autonomous driving. I found that this approach is perfect for me and the university will provide all the opportunities I need to achieve all my career goals. Another thing that I am looking forward to is using modern equipment and tools in my work and sharing my practice with like-minded professionals.

The technical skills I have in Python, Django and Bootstrap together with Mechanical engineering skills enable me to handle autonomous driving complex tasks. Furthermore, my communication skills, time management, and adaptability skills will also allow me to succeed in the teamwork and fast nature of the graduate degree. Further, I have finished 16 years of my education in English medium to be accurate in my Academic English. I have an A1 Level German Language Certificate – issued by Yes School of Language which shows my preparedness to be ready for the German academic and working environment.

**Future goals**: I hope to play a pivotal role in the evolution of safe, effective, and universal self-driving systems. I see myself designing Autonomous Vehicles or Safety Systems with renowned organizations such as **Siemens, BMW, Bosch**, to bring products into the market that will define the mobility revolution. I will be able to accomplish this goal and acquire the modern knowledge and skills that are pertinent to contributing to the discipline.

In conclusion, the M. Eng. Autonomous Driving at Coburg University is the best fit for my academic background, work experience, and future career goals. I want to develop practical skills engaging in this progressive field in one of the best German universities. I am sure that with the help of this program, I will be able to get all the necessary knowledge and skills to become an innovative thought leader in self-driving vehicles and contribute to changing the world's transportation systems for the better.

**Thank you for considering my Application.**

**Chetan Tanaji Thombare**