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Dear Constructor Recruitment Team

I am excited to apply for the role of Machine Learning Engineer as it is the natural next step in my career which I have built around my core strengths in AI, Machine Learning, Deep Learning, Computer vision, software development, mechatronics, automotive and mechanical engineer.

Having spent the past two years in a quite versatile master's program, I have developed a robust understanding of state-of-art solutions for autonomous driving tasks like perception, motion control through projects like object classification, semantic and part segmentation on 3D LiDAR point clouds, robotics, controls and sensors and digital signal processing through programming robot for pick and place operations and variety of stimulating courses offered at the university.

In my latest roles as an intern and master thesis student at IAV GmBH, I was involved in the Intelligent Perception function development projects where I not only limited myself in developing various computer vision deep learning models like Multi-task neural network capable of simultaneously performing Monocular 3D object localization, 2D Object detection, semantic segmentation, self-supervised depth estimation but also gained an high-level understanding for deploying these on a real car through ADTF framework .

In addition to my technical skills, I have gained experience working in diverse professional environments. As an Assistant Manager at TATA Chemicals Ltd., I honed my ability to work independently and as a part of a team. I also developed strong leadership skills through my work with student automobile team during my bachelors.

I am thrilled at the opportunity to work with Constructor, and I am confident that I have the required mindset and skills to contribute positively to the team on board.

Thank you for considering my application and I am eager to begin working as soon as possible. I am excited to hear back from you and would welcome the opportunity to have a personal conversation.

Sincerely,

Rishav Kumar Paramhans