Dear Madam/Sir,

Please accept the enclosed resume as my application for Bosch Career Event. I hold a Master’s degree in Computer Science, majoring in Cognitive Technical Systems with a CGPA of 1.4, from University of Freiburg and currently working as a Software Engineer in Automotive Industry in Stuttgart region. Given my background in machine learning and computer vision, experience and expertise in software development, I believe that I can make effective and useful contribution through this role.

I believe this residency can provide me the perfect opportunity to polish my technical and analytical skills, collaborate and learn from relevantly experienced peers to excel and establish a career as a competent researcher and AI practitioner.

As stated in my enclosed resume, I have more than 2 years of experience as professional software engineer. I am proficient in C++, Java, MATLAB and Python and have contributed to various industrial-grade as well as open source projects with my problem solving skills, encompassing applications across various domains, including machine learning frameworks, web, mobile, network, and computer graphics applications. Since the past two years I have been involved in the development of various projects related to automotive industry, specifically related to driver assistance systems and automated driving. During this period I have gained valuable experience of working on perception tasks with Camera, Radar and LiDAR sensors for driver assistance and automated driving function and gain hands-on experience with Robot Operating System (ROS), Automotive Data and Time-Triggered Framework (ADTF), OpenCV etc.

In the last 5 years, I have developed extensive theoretical and practical expertise and background of Artificial Intelligence and Machine Learning. My coursework at University of Freiburg revolves around Machine Learning, Artificial Intelligence and their applications in Robotics and Computer Vision. I am experienced with Caffe, TensorFlow and Torch 7 for deep learning and Scikit-learn and Weka for classical machine learning. Moreover, I am well-versed in other topics of robotics and AI, including localization, mapping, SLAM, motion planning, action planning etc.

After having worked in T&S engineering for about a year, I feel I am ready for more challenging position which will allow me utilize my skills in a more expressive way. A position at Bosch would enable me to polish my technical skills by taking part in more challenging and diverse tasks with more responsibility to produce quality and innovative technical solutions. It will enable be to collaborate and learn from experienced peers to excel and gain competent experience as an engineer.

I set high standards for me in terms of quality of work to achieving the goal. And I never shy away from taking up a challenge. Despite not having a PhD degree, I believe I possess most of the skills acquired during a PhD degree, including publishing research work, organizing and keeping up with the latest research, conducting individual and collaborative research, critically analyzing publications, writing and reviewing research papers, contributing to and leading open source research projects, presenting research work and defending your research among the community.

Concluding, I believe I will be a good fit for the program as I am already familiar with the literature and researchers in the AI community, which will allow me to quickly comprehend and build upon the existing knowledge. Thank you for taking time to review this application. I look forward to further correspondence.

Best regards,   
Farooq Ahmed Zuberi

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