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Letter of Recommendation

Dear Mr and Mrs,

It is a great pleasure to recommend Shankar Jeyakumar, who is currently working with us at the Bosch Center for Artificial Intelligence as an intern for AI Demonstrator Development.

Shankar primarily works on implementing a camera-based platooning function for 2 autonomously driving model cars, as a demonstrator for object detection with Deep Learning on an embedded device. In this application the DL inference runs on a Jetson Nano and the car actuation is controlled using an Arduino. The project involves training and validating DNNs of various architectures for image classification and object detection, implementing and tuning PID controllers for speed and steering angle control during platooning, processing various sensor signals (wheel speed, IMU, camera), as well as further developing the hardware setup. In this context, we very much value Shankar's extraordinary experience in working with embedded devices, which he gathered not only through his studies and multiple internships, but also through his personal interest and many conducted projects in his personal time.

Given only a 10 week time frame to develop a first version of the platooning function, which was to be presented at a conference, Shankar quickly identified the key components to solve the task and prioritized them effectively. The result was very robust, largely as a result of Shankar's extensive testing and his high standards for the quality of his work. Shankar's work ethic and deadline-focused mentality, which he displayed during this time far exceeded our expectations.

Yours sincerely
Robert Bosch GmbH
Martin Thomas