



# 翰凯斯

HanKaiSi Intelligent Technology Co., Ltd., Guizhou

NO.30 DUYUN ROAD JINYANG GAOXIN INDUSTRIES PARK,  
GUIYANG, GUIZHOU, CHINA  
WWW.PIXMOVING.COM

04 Jan 2019

Re: Sudarshan Sharma

To whom it may concern,

This letter is to certify that Mr.Sudarshan Sharma from Indian Institute of Technology (IIT) Kharagpur India, has successfully completed his winter internship as Car Electronics Engineer at HanKaiSi Intelligent Technology Co., Ltd., Guizhou from 1st Dec.2019 to 30th Dec.2019. During his internship with HanKaiSi, Sudarshan Sharma proved to be hard-working, self-motivated and productive. He was exposed to the various tasks and activities in the company's self-driving project PIX Moving, to which he has made a lot of contribution. In the December stay, he got hands-on the autonomous cars, including drive-by-wire control and car debugging. The first task of debugging the (Controller Area Network) CAN signal of the motor driver was finished successfully within a short time, followed by another assignment for the development of the CAN system comprising of the Steering, Accelerator and the Brakes. Besides that, Sudarshan was also involved in other tasks and challenges such as mapping the sensor data, creating a testbed for smooth testing and hacking the ultrasonic sensors on the electric self-driving car retrofitted by HanKaiSi. He is a great engineer and a team player. We appreciated his contribution to the PIX project and have enjoyed a pleasant time staying with him.

In all, his association with us was very fruitful and we wish him all the best in his future endeavor.

Should you need any further information regarding his internship, please do not hesitate to contact me either by phone on +86.13339604666 or by e-mail at [angelo@pixmoving.com](mailto:angelo@pixmoving.com). More details of our company and PIX Moving project can be found on the website: <https://www.pixmoving.com/>

Yours sincerely,

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