

Voice Assisted Bots for Automobile Applications

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Abstract

The Controlled Infotainment system is based on a single board computer Raspberry Pi 3 Model B+ . This system is inspired by popular products in the market \ALEXA”, \MBUX-Mercedes Benz” and \Hyundai-TUCSON”. As Infotainment system is the combination of ‘Information and ‘Entertainment, this includes voice-controlled multimedia such as online music player. In a hands-busy and eyes-busy activity such as driving, spoken language technology is an important component of the multimodal human-machine interface. Adding speech to the HMI introduces two distinct challenges: (1) accurately acquiring the user’s speech in a noisy car environment (2). Creating a spoken dialog system that does not require the driver’s full attention In order to provide security spy camera is used to capture the image of a person entering inside the car and accordingly the email will be sent to the owner of the car.

Keywords

Raspbian Python Pi cam Semi-autonomous XLDE

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References

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