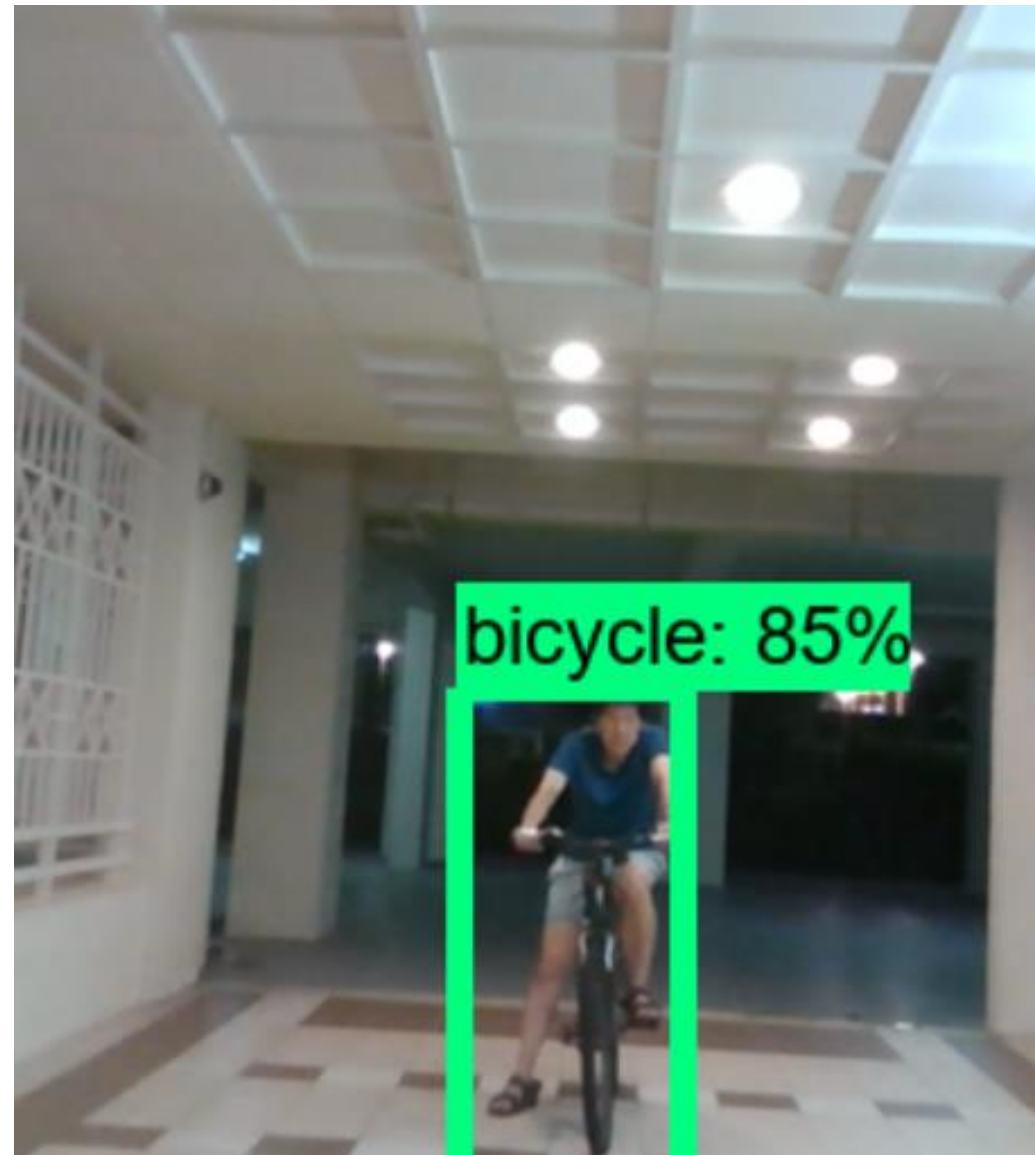# Danger Detection App
For Visually Impaired People

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bicycle: 85%

Project Objectives:

The aim of this project is to design and create an application for the blind that uses the rear camera of a smartphone to scan the environment further ahead and produce appropriate warnings to help guide and warn blind users. The application is meant to supplement white canes and provide early warnings of potential dangers that are not within reach of a typical white cane.

| From a distance of 11 metres, the first warning "Warning -Bicycle Approaching" will sound | At a nearer distance of 6 metres, a warning "Stop -Blind man ahead" will go off to alert oncoming cyclists to avoid the blind user | Eventually, right before the collision at approximately 1 metre, a final warning "Look out - Bicycle Collision" will be blasted |