

# **RESEARCH OPPORTUNITY FOR GRADUATE STUDENTS**

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**<http://ashwinashok.com>**

## **Project 1: IoT sensor testbed deployment in CS Dept. in collaboration with Cytilife (startup)**

**Number of openings: 2**

**Duration:** 9 months (Sep 2017 – May 2017)

**Required skills:** web technologies/development, C++/Java

**Additional skills:** experience with mobile development (Android, iOS), sensors is a plus

**Funding:** No

**Outcomes:** M.S. Project, Papers, Industry white-paper/use-case

**Notes:**

Must register for M.S. project with the instructor.

Students with TA in the CS Dept. are strongly encouraged to apply

## **Project 2: Computer Vision and IoT based Visually Impaired Assistance System**

**Number of openings: 2**

**Duration:** 10 months (Sep 2017 – June 2017)

**Required skills:** C++/Java, MATLAB programming, Image processing/Computer Vision, Linux

**Additional skills:** experience with Android, cloud (Azure/AWS) is a plus

**Funding:** GRA (reviewed each semester – max 2 semesters)

**Outcomes:** M.S. Project, Papers, possibility of extending to Ph.D. program.

**Notes:**

Must register for M.S. project with the instructor.

Must have completed an Image processing or Computer Vision course before.

Students looking for funding for 2 semesters are encouraged to apply.

You will be asked to limit coursework to 2. Can register for research credits.

## **APPLICATION PROCESS**

Brief writeup (max 1pg) that includes your skillset relevant to this project, any examples of past project outcomes, sourcecode (copy only link – Github, BitBucket), and motivation for doing this project (e.g. research experience before starting PhD program..). Append your 2 page CV (strictly 2pg) to the writeup and upload – files more than 3 pages will NOT be reviewed.

Dropbox upload link for Project 1:

<https://www.dropbox.com/request/2TetdwyjheH9O9Smsx4j>

Dropbox upload link for Project 2:

<https://www.dropbox.com/request/PVhuFzv1F0kyPrVUXW5f>

Applications will be reviewed on first-come basis. An interview will precede the selection  
Please send your application in no later than 9AM on **5<sup>th</sup> Sep 2017**