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**CURRENT:** Doing PhD in Computer Science since Fall'17 from Iowa State University.  
Interested in Artificial Intelligence (Household Robotics, AI, ML, NLP).

**HIGHEST ACADEMIC QUALIFICATION**

M. Tech (2013)    Computer Science                      IIT Bombay, India                      9.42/10

**WORK EXPERIENCE**

**Jul 13 -      Microsoft India Development Center (Program Manager)**

**Sep 16**

- **PM work:** includes writing feature specification; collaborating across teams and manage the complete product development cycle.
  - Print Enhancement for PDF Reader app for Win 8.1
  - Owned Universal Voice Recorder app for Win 10
  - Owned Layout, Rotate & Zoom for PDF in EDGE for Win 10.1
- **Data Scientist work:** Gaining insights from telemetry and feedback
  - Single handedly developed telemetry pipeline (to assess usage and suggest improvement), for Win apps owned by team India.
    - *Recognition:* Star award for this effort. Later a team of 4 people took over this work.
  - Worked as data scientist in Microsoft's Azure team.

**Nov 07 -      System Engineer at Infosys Technologies Ltd (System Engineer)**

**Jul 10**

- Automating financial reporting for Shinsei Ltd Bank, Tokyo, Japan.
- Software to centralize BMW financial services.

**ACADEMIC PROJECTS**

**M. Tech, Thesis Project** (Jul 12 - Jul 13) (Individual Project)

*Natural Language Interface to Robotics System [Guide: Prof Pushpak Bhattacharyya]*

A rule based system was developed to interpret and execute NL commands in an environment simulated in Gazebo. **ROS** electric was used as the framework and **PR2** as the robot. The system was capable of executing navigational commands.

**Computer Vision, Course Project** (Jan 12 - Apr 12) (Individual Project)

*Spatial Relations Detection Using Kinect [Guide: Prof Sharat Chandran]*

Using Kinect and **PCL libraries**, big objects in the scene were found. Then a person's movement, wrt the objects, was described using **spatial relations** (like away from chair).

**B. E Thesis Project** (Jul 2006 – Jul 2007) (In group of 3)

*Office automatization using robotics system [Guide Mrs. Surekha K.S]*

Developed a system, with line follower robot, to transfer stationery from one cubicle to the other, connected via black line, in an office environment. The server communicates with the robot using IR transceiver located on the ceiling of the office.

**TALK DELIVERED**

**'Lexical Knowledge Struct'** in IASNLP'12. Covered: ConceptNet, YAGO & VerbOcean.

**SOFTWARE SKILL SET**

**Languages:** Java, C/C++, Python, SQL, SCOPE, HTML, JS, LISP, Octave, Prolog

**Platforms/Framework/Tools:** J2E, JSP, .NET, Cosmos, ROS, TF, Gazebo, Flask

**OS:** Ubuntu, Windows