

## Sakshi Udeshi

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**EDUCATION**      **Birla Institute of Technology and Science, Pilani**  
**M.Sc. (Tech.) Information Systems**, *expected graduation: May 2016*  
C.G.P.A. **7.85/10** (*As of Jun 2015*)  
Major G.P.A **8.43/10** (*As of Jun 2015*)

**INTERESTS**      Software Testing, Wireless Sensor Networks

### Major Courses

Design and Analysis of Algorithms  
Principles of Programming Languages  
Data Structures & Algorithms  
Object Oriented Programming  
Software Engineering  
Software Testing

### Foundation and Humanities Courses

Principles of Management  
Probability and Statistics  
Modern Political Concepts  
Fundamentals of Finance and Accounting  
Electrical Science  
Math I, II, III

## SKILLS

### Technical Skills

- Programming Languages
  - Skilled: C++, C
  - Skilled at Object Oriented Programming
  - Used: nesC, Processing, L<sup>A</sup>T<sub>E</sub>X, JavaScript, Python

### UI Design

- Basic skill in UI design using HTML/CSS.
- Software (used): Adobe Photoshop , AutoCAD

### Miscellaneous

- Operating systems: Unices, Windows, TinyOS
- Proficient with most standard office software (MS Office, Google Docs, etc)

## EXPERIENCE

- Housing.com *Jul - Dec 2015*  
Software Development Intern;
  - Working on the testing, development and refactoring of the Housing tiling server. Boost C++ Library, Google Maps JavaScript API, Python unittest were some of the technologies used.
  - Part of the Routing development team. Developed software suites to test sanity of the service. Also developed a suite to test the routing service with all establishments.
  - Developed a web-app to analyze PostGIS query result and use the Google Maps API to represent on the map.
- Indian Red Cross Society *May - Jul 2014*  
Technical intern; Created a certificate tracking portal
- Professional Assistant; Journalism *Jan - May 2014*  
Handled course logistics; Helped design the course and the evaluation components
- CIMA Global Business Challenge *Dec 2012*  
Participated in the western round; Presented detailed analysis on the given case study

## ACADEMIC EXPERIENCE

### Wireless Sensor Networks

*Aug 2014 - Jun 2015*

RSSI based indoor localization with interference avoidance for wireless sensor networks using an anchor node and sectorized antennas. We used MICAz motes to test the hypothesis.

### Testimonial Portal

*Aug - Dec 2014*

Developed and deployed a testimonial portal on the CodeIgniter web framework as a part of the Software Engineering project. Used the MVC architecture and gained hands-on experience working of a full fledged web portal.

### Disease Management Database

*Jan - May 2014*

Developed a database to classify and store diseases as a part of Database Systems & Applications

### Bank Account Simulator

*Aug - Dec 2013*

Developed a bank account simulator in Java as a part of Object Oriented Programming

## ACADEMIC HONORS

- Obtained the highest G.P.A in Information Systems (2012 batch) for the Second Semester 2013-14 and First Semester 2014-15
- Qualifying Examinations
  - Maharashtra HSC (*March 2012*) - 87% (99.4th percentile)
  - AISSE 2010 (*March 2010*) - 92.6% (9.6 G.P.A.)
- SAT General Test
  - 2240/2400 (800/800 in Math)
- SAT Subject Test
  - 800/800 in Math I
  - 800/800 in Physics

## EXTRA - CURRICULARS

- Winner: BITS Quizzing League 2014
- Runner-Up: Quark National Quiz 2014
- Runner-Up: Mathfest Quiz 2014
- Participant: BITS Debating League 2013

## ACTIVITIES

Literary and Debating Club, Quiz Club, Student Orientation Advisor

## HOBBIES

Football, Running, Music, Movies