Sakshi Udeshi

+91-9637276376 sakshiudeshi@gmail.com sakshiudeshi.com

EDUCATION

Birla Institute of Technology and Science, Pilani
M.Sc. (Tech.) Information Systems *Aug 2012 - May 2016*
8.18 *CGPA*
8.90 *Major GPA*

COURSES

Design & Analysis of Algorithms, Operating Systems,
Computer Networks, Probability & Statistics,
Object Oriented Programming, Software Engineering and more

SKILLS

Programming Languages

Skilled: C++, Java

Used: nesC, Processing, LaTeX, JavaScript, Python

EXPERIENCE

@WalmartLabs *Aug 2016 - Present*

Software Engineer;

- Involved in the development of a tool that processes, validates and imports excel pricing data to Cassandra databases
- Built a multi-threaded functionality to handle upto a million records
- Deployed the fully functional project to production within two months

Housing.com *Jul - Dec 2015*

Software Development Intern;

- Development of the Housing tiling server, an elegant solution to represent flats on a map. Extracted user context and used that to display multiple flat options on the map, with increased emphasis on flats the recommendation engine deemed important to the user
- Rewrote the entire caching logic for the tile server, migrating from a first-come, first-serve based protocol to a logarithmic file-size based protocol. This lead to reduction in average response time by 34%
- 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 it on the map

Teaching Assistant *Jan - May 2016*

Design and Analysis of Algorithms

- Designed all the lab evaluation components of the course.
- Created and hosted five competitive programming tests as part of the syllabus.

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 sectored antennas. We used MICAz motes to test the hypothesis

PUBLICATIONS

Nagaraju S., Gudino L.J., Kadam B.V., Ookalkar R. and Udeshi S., "RSSI based indoor localization with interference avoidance for Wireless Sensor Networks using anchor node with sector antennas", in 2016 International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET), Chennai, India, pp. 2233-2237, Mar 25-27, 2016