

Alok Sharma

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EDUCATION

Master of Science - Computer Science

University of Florida

April 2016 (*Expected*)

Bachelors - M.Sc (Tech). Information Systems

Birla Institute of Technology and Science, India

July 2013

EXPERIENCE

Major Project, Mobile Computing

Project: BerryDroid/TrackMyList

August 2014 - December 2014

University of Florida

- *Technology:* Android, Java, Raspberry Pi, Walmart API, Smart shopping carts.
- Created an Android application that pairs to a Raspberry Pi hooked on to a shopping cart, synchronizing all grocery items put inside with the mobile device.
- The app is able to keep track of the total costs and items in the cart, all in real-time.

Intern, Center for Intelligent Machines, McGill University

Project: Real-time emergency response system.

October 2013 - July 2014

Montreal, Canada

- *Technology:* Google Glass, Bluetooth Sensor Tags, Android, Java.
- Implemented Glass application for training emergency first responders with Google Glass.
- Developed for restricted computing power and memory, the Glass app augments their vision with live data of the situation around them, like exit routes, building floor plans and live video streaming to web console with location and contextual data.
- Integrated BLE Sensor Tags relaying temperature and other sensor data to the responders, involving parsing sensor data and interpreting the situation from it. Presented poster on the project at GRAND 2014, Ottawa.

Intern, Persistent Systems

Technology: Java, JSP, Struts Framework, JavaMail.

January 2013 - July 2013

Pune, India

- Developed the address book module of a proprietary E-mail client.
- Upgraded the server platform to the newer contacts-handling module, requiring rewiring the API calls between the client and the server and some front end improvements.

Intern, Raxa

Project (Open Source): Community Health Worker (CHW) Mobile app.

June 2012 - August 2012

New Delhi, India

- *Technology:* Phonegap, Sencha Touch, JavaScript, OpenMRS, REST, Git.
- Challenged by the network availability limitations in rural India, the Open Source CHW app empowered Community Health Workers to be able to track, register and manage patients and families in their jurisdiction, using their mobile phones.
- Integrated functionality to keep a record of their inventory (pills) and show educational videos and images to the villagers, syncing all data with the central hospital via REST calls.

TECHNICAL STRENGTHS

Programming Languages

Java, C, JavaScript, MySQL, Python (Basic).

IDEs

Eclipse, NetBeans, IntelliJ, Android Studio, Visual Studio.

Frameworks & Tools

Phonegap, Sencha Touch, OpenMRS, Struts Framework.

Misc.

Git, SVN, HttpUnit, Twitter Bootstrap, Photoshop (Basic).