

# Vipin Sharma

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## EDUCATION

MS in Computer Science  
North Carolina State University  
Raleigh, NC  
**Expected: May 2017**  
**GPA: 3.78/4.00**

## COURSEWORK

Machine Learning  
Operating System  
Data Intensive Computing  
Parallel System  
Graph Theory  
DBMS

## SKILLS

Proficient in

Android  
Java  
C  
Linux  
Hadoop YARN  
Gradle  
Maven  
Git  
Vim

Familiar with

CUDA  
HTML  
CSS  
LaTeX  
JavaScript

## AWARDS

2014  
Employee of Month  
Samsung India R&D

2012  
Spot Award  
Samsung India R&D

## EXPERIENCE

### Snapdeal India

Software Engineer II April 2015 – July 2015

- Worked on Snapdeal's Seller Zone application on Android.
- Snapdeal is India's second largest e-commerce company.
- Implemented **order management** in Android application.

### Samsung India R&D

Lead Engineer April 2014 – March 2015  
Senior Software Engineer April 2013 – March 2014  
Software Engineer September 2011 – March 2013

- Developed **Transcode framework** for Samsung smartphones using OpenGL, and Android's MediaCodec API.
- Framework can resize, trim videos, add audio, and create videos from images.
- Developed **Video Editing** application for Samsung smartphones on Android platform.

### Tata Consultancy Services

Assistant System Engineer November 2010 – August 2011

- Developed **Pair to Share** application to transfer files between two Android phones by bumping them.

## PROJECTS

### Distributed GA Framework on Hadoop YARN December 2015

- Developed a distributed Genetic Algorithm framework.
- Framework runs on Hadoop YARN.

### Linux Thread Library October 2015

- Implemented user level thread library for Linux OS.
- API is based on POSIX standard with create, join, destroy, self, yield.
- Synchronization mechanism is provided using its own mutexes, conditions, and barriers.

### Fuzzy Logic for Querying Database March 2010

- Implemented SQL queries in fuzzy format for retrieving data from a XML database.

### PattExp August 2009

- Implemented tool to display concept lattice and matrix using formal concept analysis on CPP source code files.